

Data File : BF093169.D
Acq On : 25 Feb 2017 2:47
Operator : SJ/MA
Sample : I1955-07RE
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B1-4

Quant Time: Feb 25 03:17:45 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 17 17:31:55 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	165398	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	597031	20.00	ng	-0.02
38) Acenaphthene-d10	9.88	164	280319	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	393874	20.00	ng	-0.01
75) Chrysene-d12	14.01	240	304255	20.00	ng	-0.01
86) Perylene-d12	15.45	264	290588	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	1199025	124.37	ng	-0.01
7) Phenol-d6	6.48	99	1519639	122.51	ng	-0.01
23) Nitrobenzene-d5	7.40	82	865169	80.70	ng	-0.02
41) 2,4,6-Tribromophenol	10.67	330	215825	106.45	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	1320325	85.33	ng	-0.01
78) Terphenyl-d14	12.96	244	723922	55.91	ng	-0.01

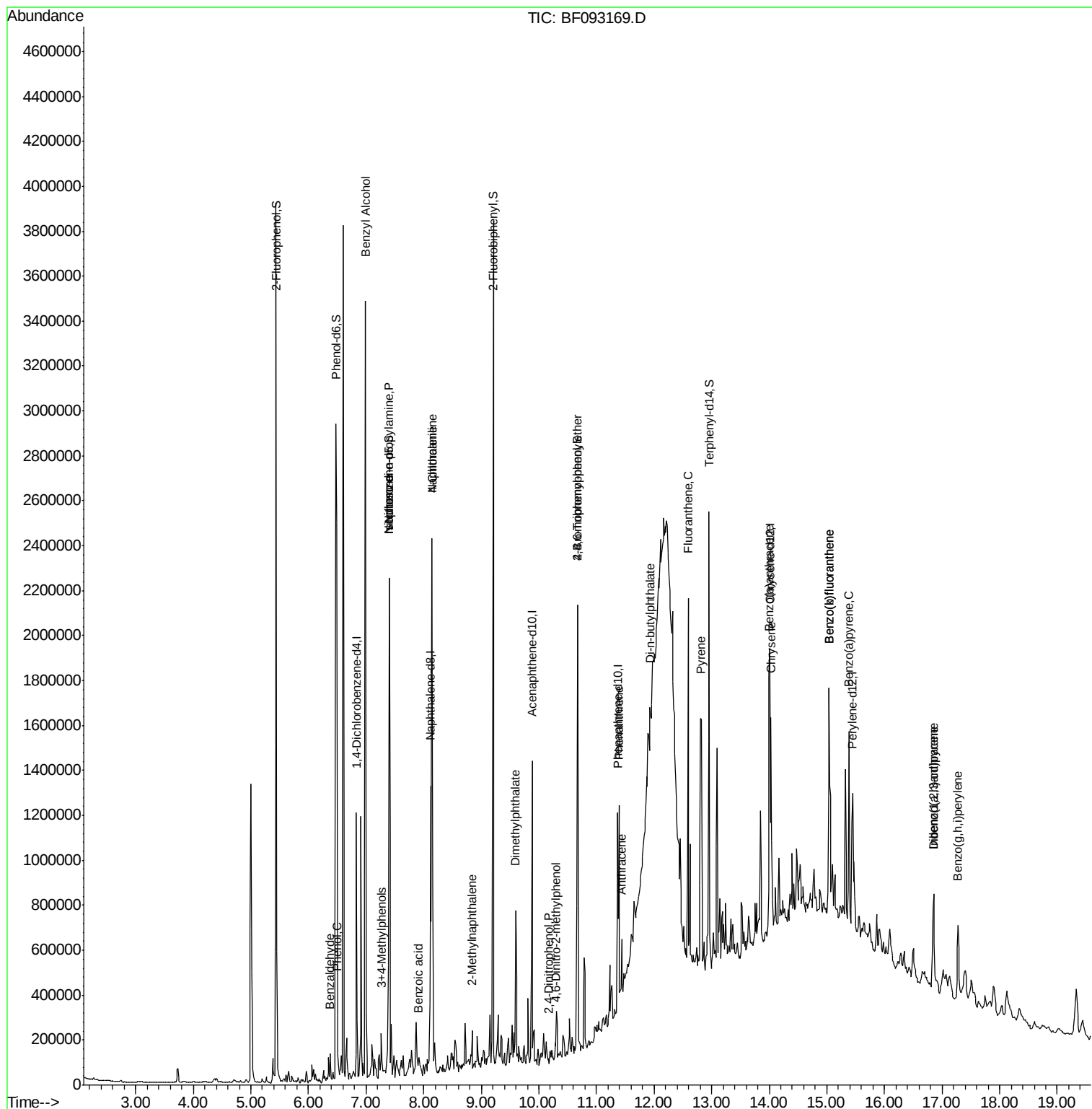
Target Compounds						Qvalue
9) Benzaldehyde	6.37	77	30427	3.42	ng	84
10) Phenol	6.50	94	60355	4.16	ng	# 69
15) Benzyl Alcohol	6.99	79	20813	2.27	ng	# 39
19) n-Nitroso-di-n-propylamine	7.40	70	124774	15.80	ng	# 81
20) 3+4-Methylphenols	7.26	107	58860	5.40	ng	# 64
25) Isophorone	7.40	82	746573	37.37	ng	# 65
31) Naphthalene	8.14	128	1096435	36.23	ng	99
32) Benzoic acid	7.92	122	9046	8.64	ng	# 29
33) 4-Chloroaniline	8.14	127	149055	12.56	ng	# 32
37) 2-Methylnaphthalene	8.84	142	51293	2.64	ng	93
49) Dimethylphthalate	9.60	163	261878	13.87	ng	98
53) 2,4-Dinitrophenol	10.17	184	808	5.10	ng	# 30
64) 4,6-Dinitro-2-methylphenol	10.29	198	3717	4.13	ng	87
66) 4-Bromophenyl-phenylether	10.67	248	16478	4.00	ng	# 1
70) Phenanthrene	11.39	178	385752	17.09	ng	98
71) Anthracene	11.44	178	101780	4.49	ng	98
73) Di-n-butylphthalate	11.93	149	112863	4.82	ng	98
74) Fluoranthene	12.59	202	654414	28.11	ng	96
77) Pyrene	12.81	202	655796	28.80	ng	98
80) Benzo(a)anthracene	14.00	228	510102	27.41	ng	98
82) Chrysene	14.03	228	368561	21.15	ng	98
85) Indeno(1,2,3-cd)pyrene	16.85	276	277714	20.58	ng	97
87) Benzo(b)fluoranthene	15.04	252	790026	41.31	ng	# 97
88) Benzo(k)fluoranthene	15.04	252	790026	47.84	ng	# 97
89) Benzo(a)pyrene	15.38	252	461556	27.90	ng	# 93
90) Dibenzo(a,h)anthracene	16.85	278	73171	5.47	ng	# 83
91) Benzo(g,h,i)perylene	17.28	276	265477	19.65	ng	# 90

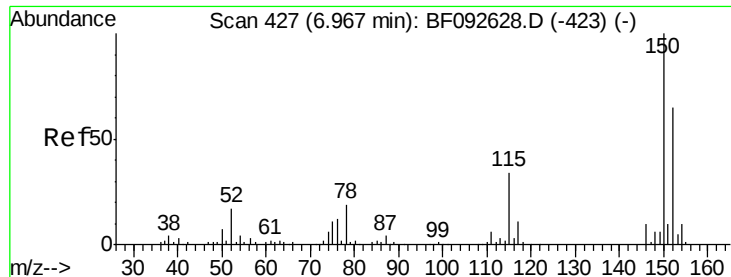
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ALS Vial : 24 Sample Multiplier: 1

B1-4

Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.83 min Scan# 415

Delta R.T. -0.02 min

Lab File: BF093169.D

Acq: 25 Feb 2017 2:47

Instrument :

BNA_F

ClientSampleId :

B1-4

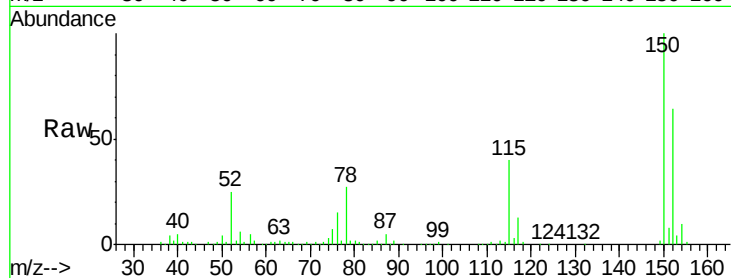
Tgt Ion:152 Resp: 165398

Ion Ratio Lower Upper

152 100

150 155.9 124.9 187.3

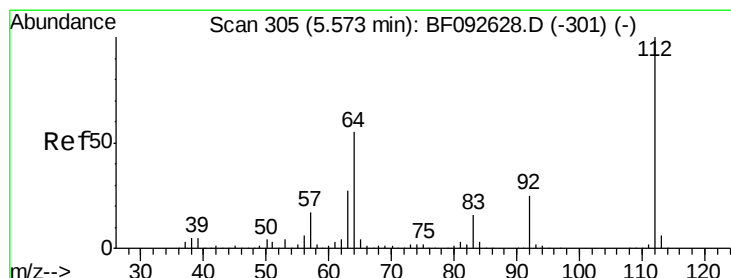
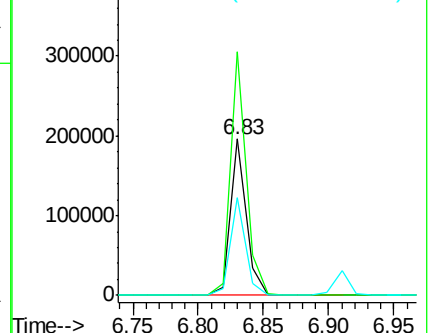
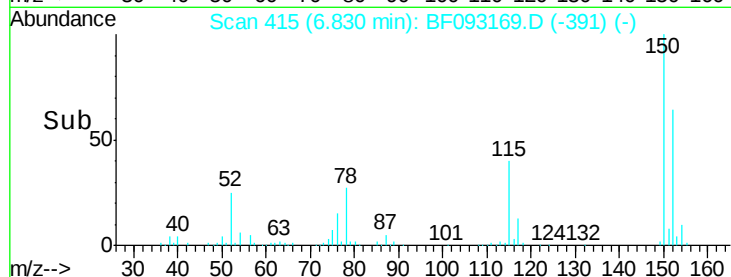
115 62.5 46.0 69.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 124.37 ng

RT: 5.44 min Scan# 293

Delta R.T. -0.01 min

Lab File: BF093169.D

Acq: 25 Feb 2017 2:47

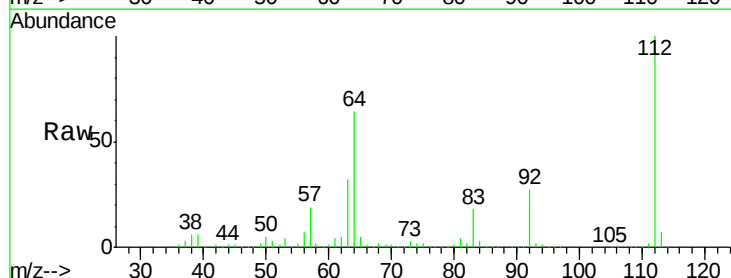
Tgt Ion:112 Resp: 1199025

Ion Ratio Lower Upper

112 100

64 63.6 46.1 69.1

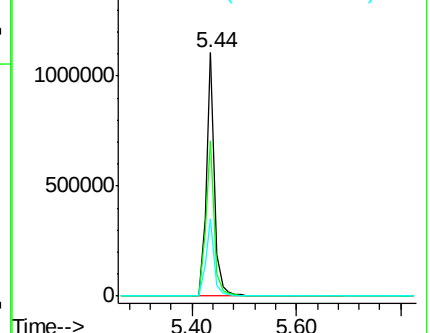
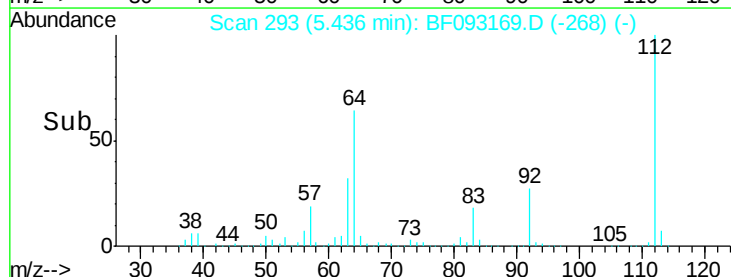
63 31.7 23.8 35.6

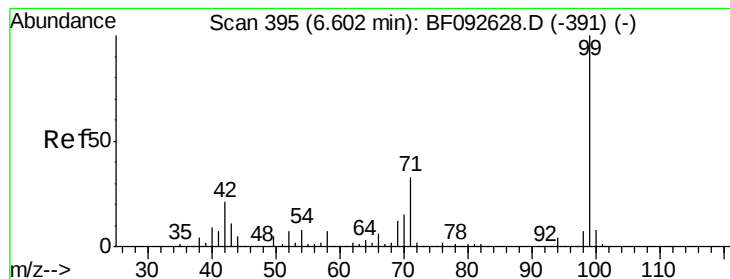


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 122.51 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF093169.D

Acq: 25 Feb 2017 2:47

Instrument :

BNA_F

ClientSampleId :

B1-4

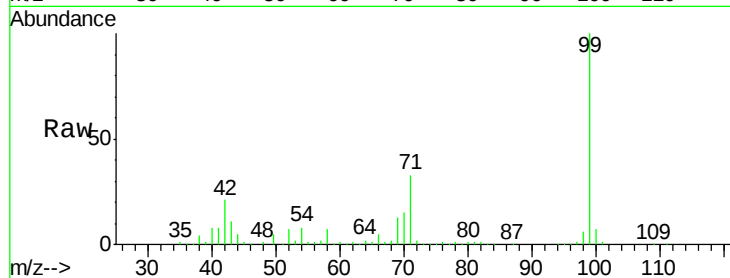
Tgt Ion: 99 Resp: 1519639

Ion Ratio Lower Upper

99 100

42 20.9 15.6 23.4

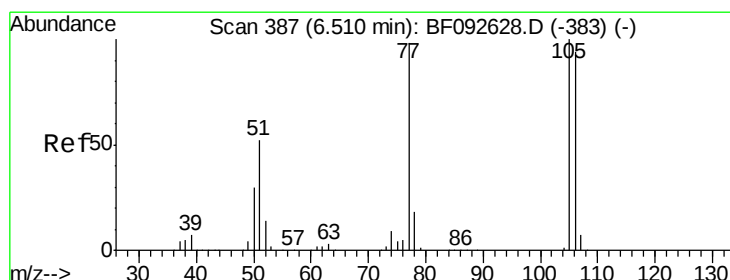
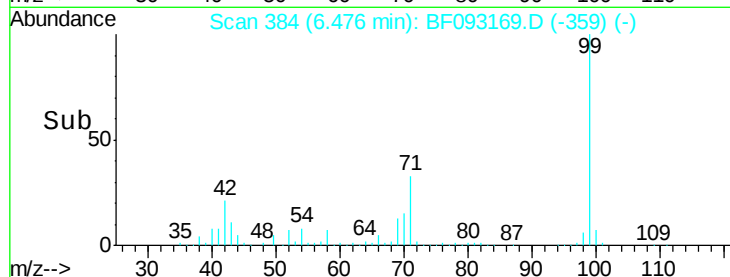
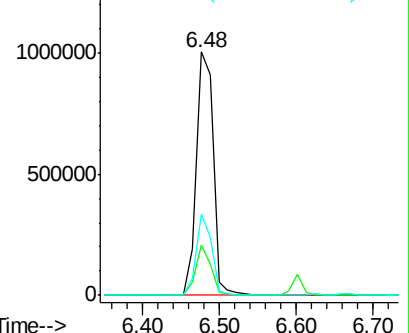
71 33.2 27.5 41.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 3.42 ng

RT: 6.37 min Scan# 375

Delta R.T. -0.02 min

Lab File: BF093169.D

Acq: 25 Feb 2017 2:47

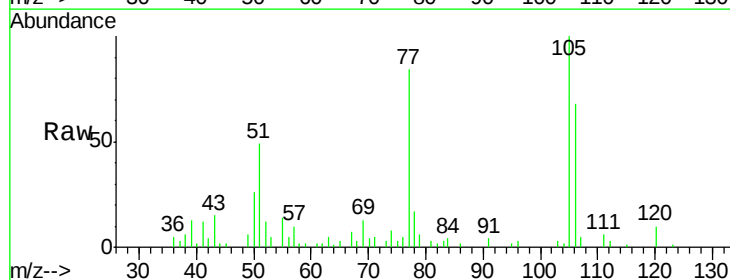
Tgt Ion: 77 Resp: 30427

Ion Ratio Lower Upper

77 100

105 119.6 83.9 123.9

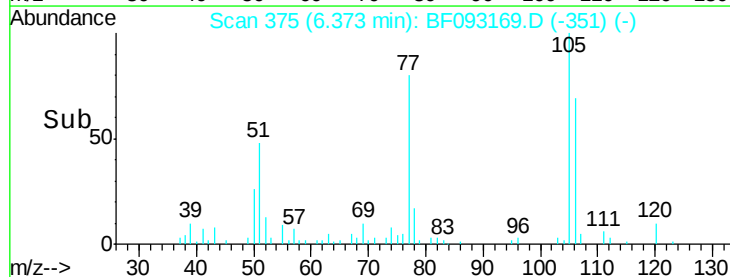
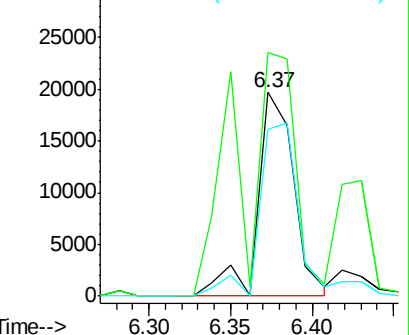
106 81.7 77.6 117.6

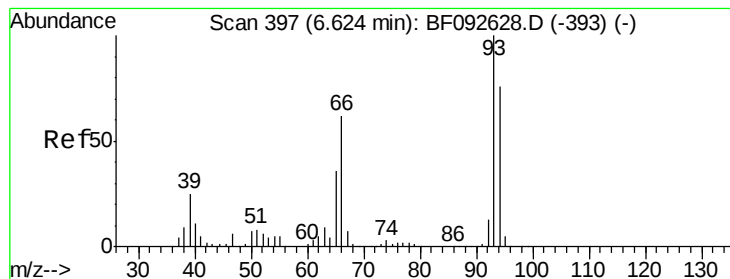


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0





#10

Phenol

Concen: 4.16 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.01 min

Lab File: BF093169.D

Acq: 25 Feb 2017 2:47

Instrument :

BNA_F

ClientSampleId :

B1-4

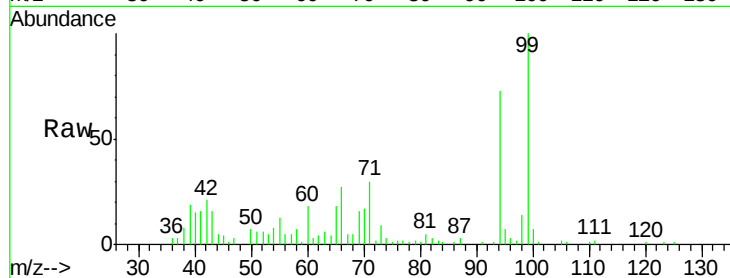
Tgt Ion: 94 Resp: 60355

Ion Ratio Lower Upper

94 100

65 25.0 21.4 61.4

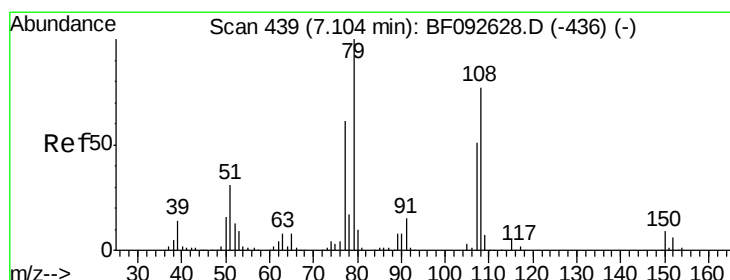
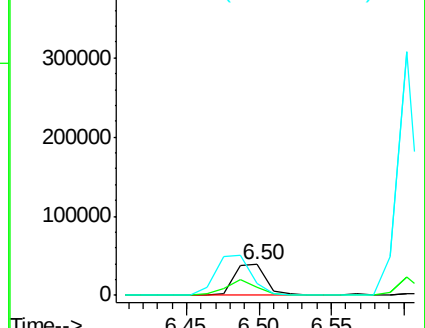
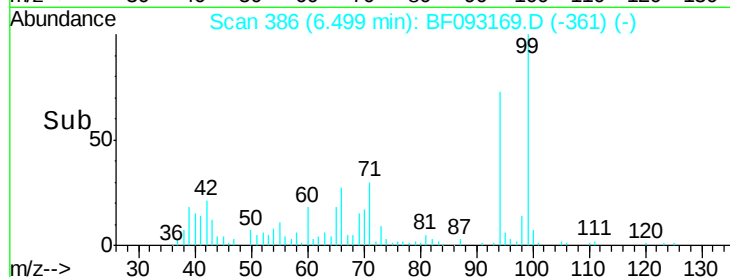
66 37.1 44.0 84.0#



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#15

Benzyl Alcohol

Concen: 2.27 ng

RT: 6.99 min Scan# 429

Delta R.T. -0.01 min

Lab File: BF093169.D

Acq: 25 Feb 2017 2:47

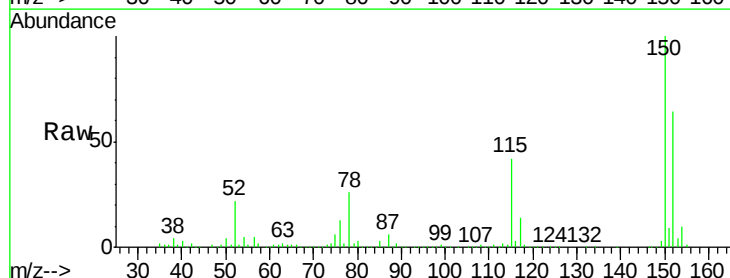
Tgt Ion: 79 Resp: 20813

Ion Ratio Lower Upper

79 100

108 32.0 61.4 92.0#

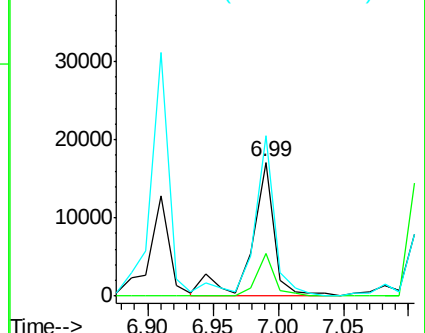
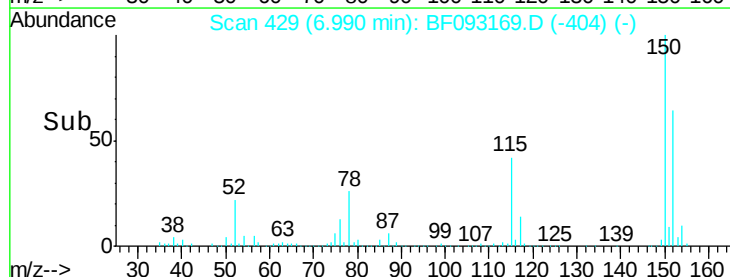
77 120.0 50.9 76.3#

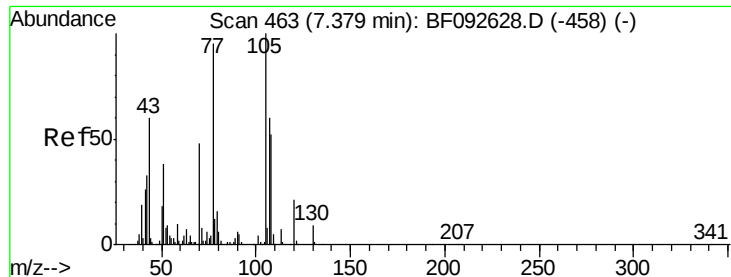


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

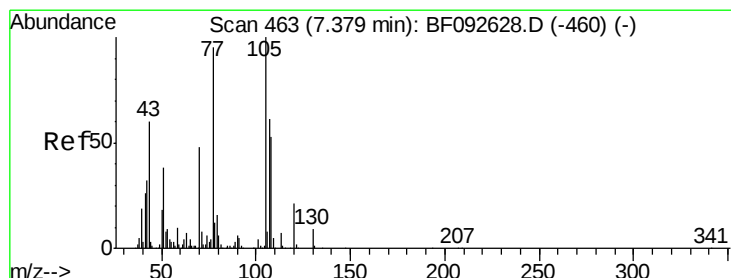
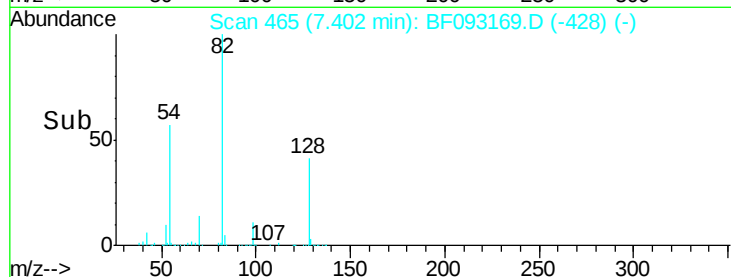
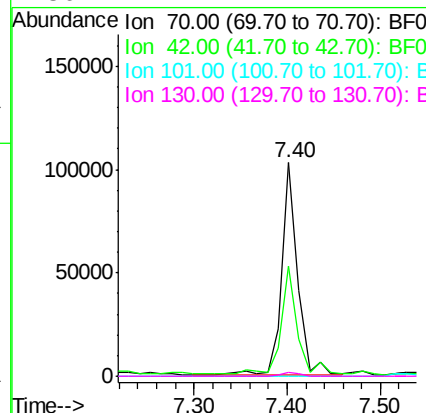
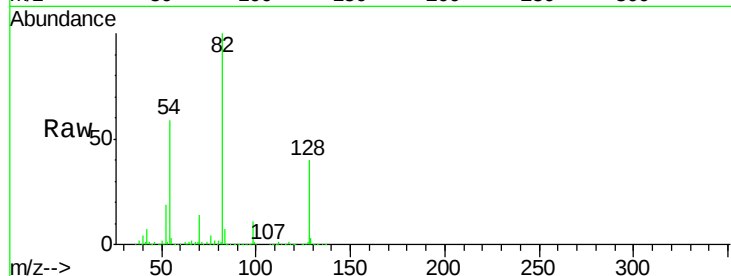




#19
n-Nitroso-di-n-propylamine
Concen: 15.80 ng
RT: 7.40 min Scan# 465
Delta R.T. 0.13 min
Lab File: BF093169.D
Acq: 25 Feb 2017 2:47

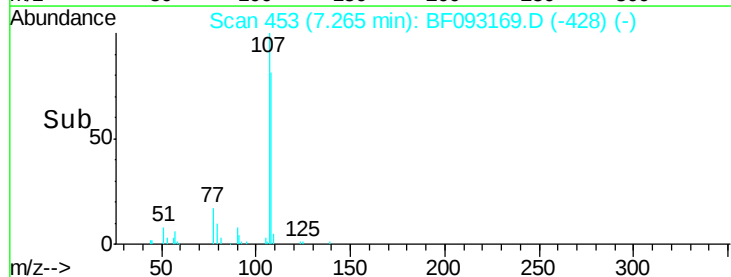
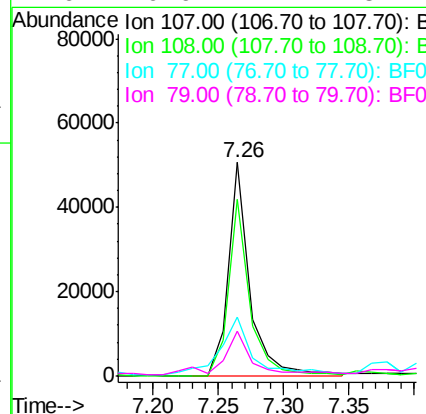
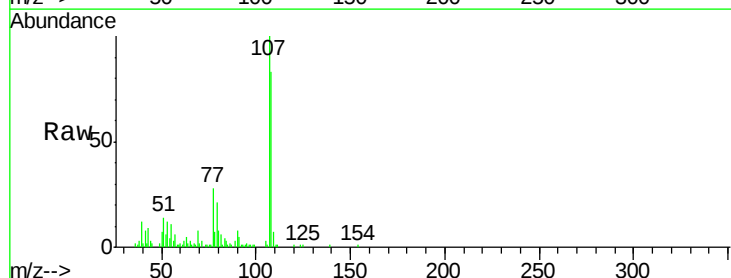
Instrument :
BNA_F
ClientSampleId :
B1-4

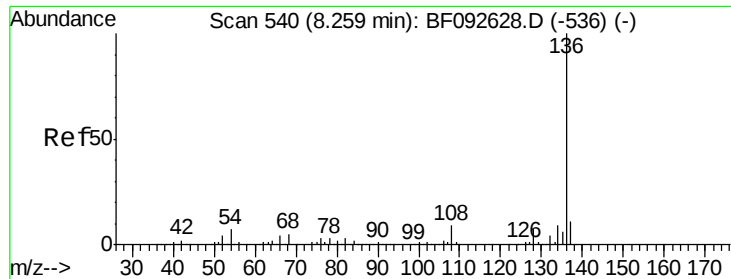
Tgt Ion: 70 Resp: 124774
Ion Ratio Lower Upper
70 100
42 51.7 49.4 74.0
101 0.0 7.4 11.2#
130 1.7 14.2 21.4#



#20
3+4-Methylphenols
Concen: 5.40 ng
RT: 7.26 min Scan# 453
Delta R.T. -0.01 min
Lab File: BF093169.D
Acq: 25 Feb 2017 2:47

Tgt Ion: 107 Resp: 58860
Ion Ratio Lower Upper
107 100
108 82.7 73.0 113.0
77 27.6 71.3 111.3#
79 20.9 11.1 51.1





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.12 min Scan# 528

Delta R.T. -0.02 min

Lab File: BF093169.D

Acq: 25 Feb 2017 2:47

Instrument :

BNA_F

ClientSampleId :

B1-4

Tgt Ion: 136 Resp: 597031

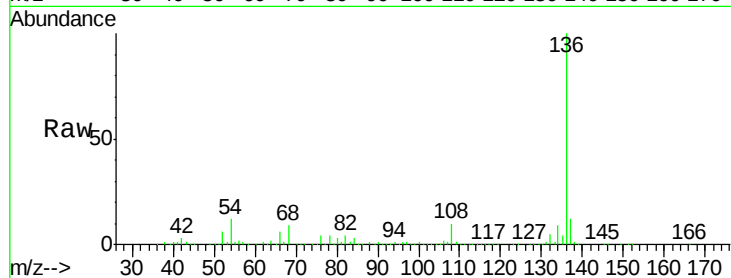
Ion Ratio Lower Upper

136 100

137 11.5 8.4 12.6

54 11.9 4.5 6.7#

68 8.6 3.6 5.4#

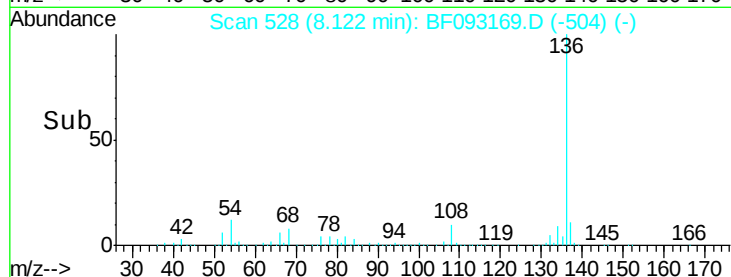


Abundance Ion 136.00 (135.70 to 136.70): E

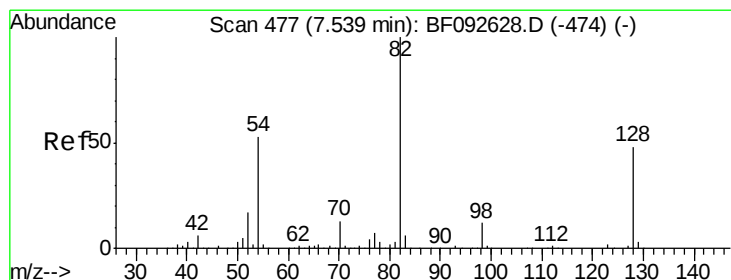
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 80.70 ng

RT: 7.40 min Scan# 465

Delta R.T. -0.02 min

Lab File: BF093169.D

Acq: 25 Feb 2017 2:47

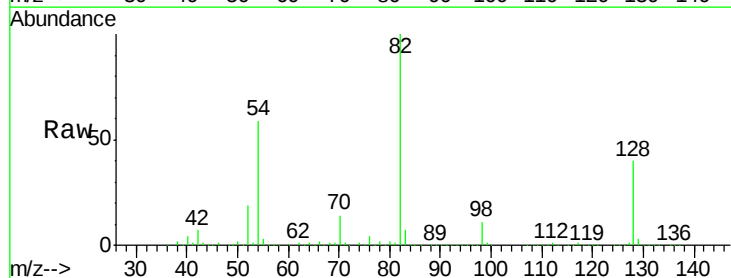
Tgt Ion: 82 Resp: 865169

Ion Ratio Lower Upper

82 100

128 40.3 34.6 52.0

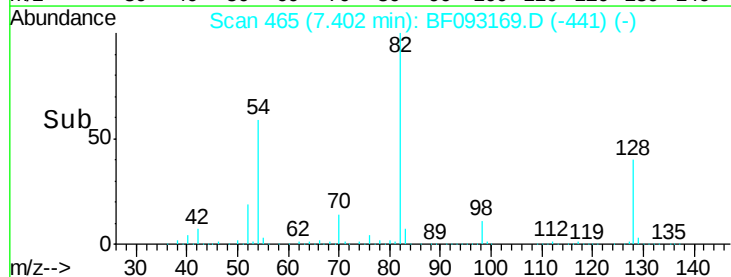
54 58.7 39.5 59.3



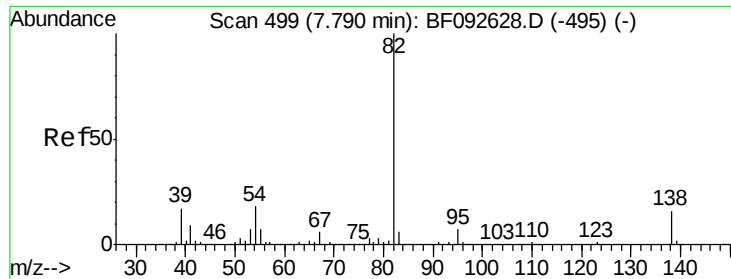
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->



#25

Isophorone

Concen: 37.37 ng

RT: 7.40 min Scan# 465

Delta R.T. -0.29 min

Lab File: BF093169.D

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Instrument :

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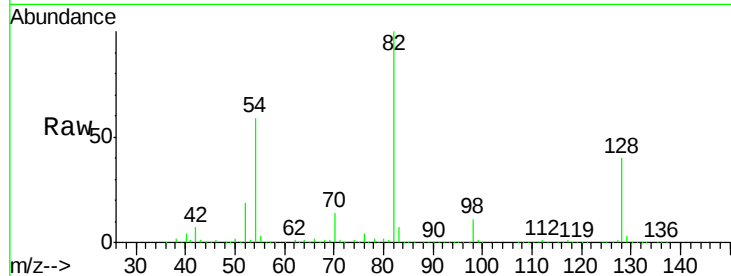
Tgt Ion: 82 Resp: 746573

Ion Ratio Lower Upper

82 100

95 0.2 5.6 8.4#

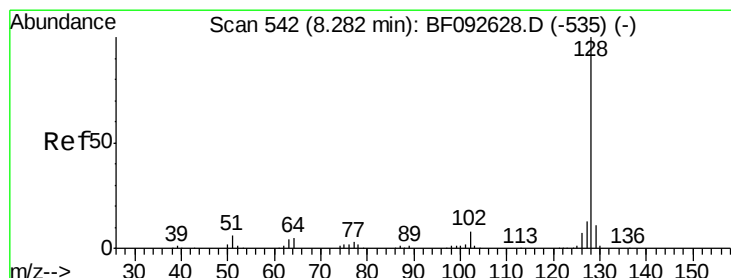
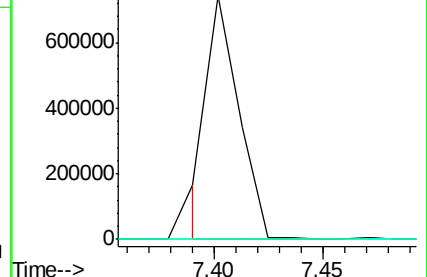
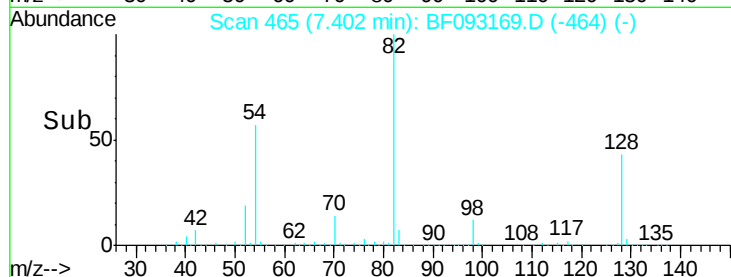
138 0.0 14.6 22.0#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#31

Naphthalene

Concen: 36.23 ng

RT: 8.14 min Scan# 530

Delta R.T. -0.02 min

Lab File: BF093169.D

Acq: 25 Feb 2017 2:47

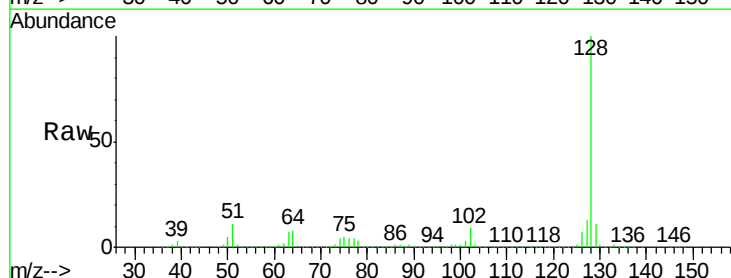
Tgt Ion: 128 Resp: 1096435

Ion Ratio Lower Upper

128 100

129 11.5 9.5 14.3

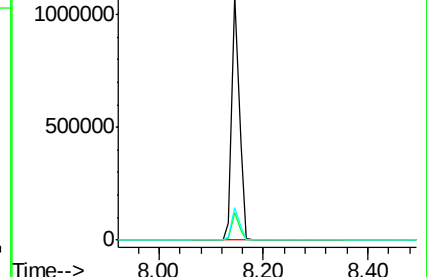
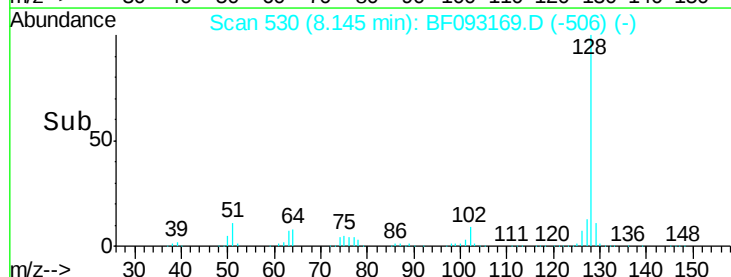
127 13.4 10.8 16.2

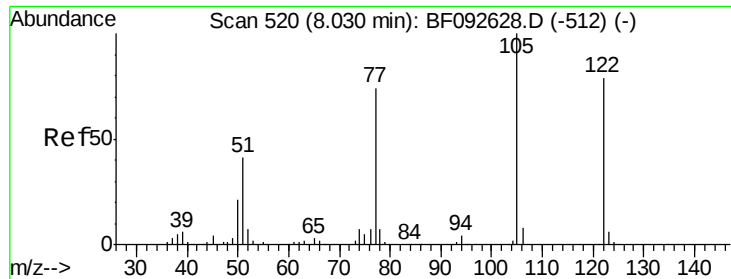


Abundance Ion 128.00 (127.70 to 128.70): BF0

Ion 129.00 (128.70 to 129.70): BF0

Ion 127.00 (126.70 to 127.70): BF0

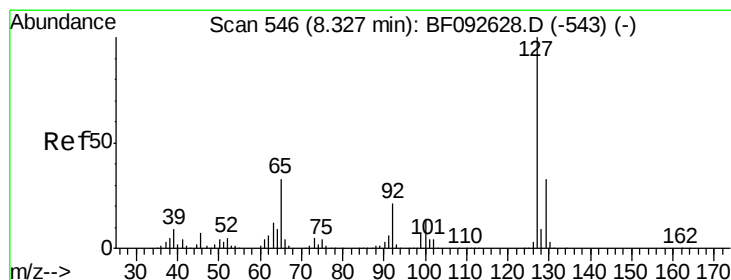
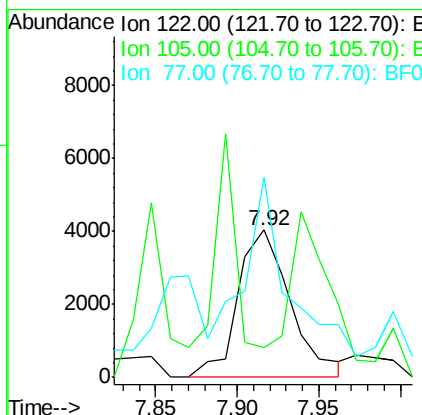
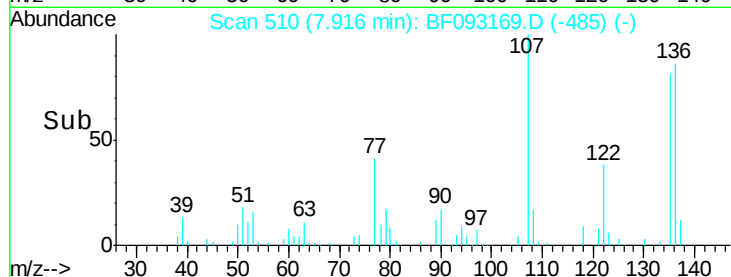
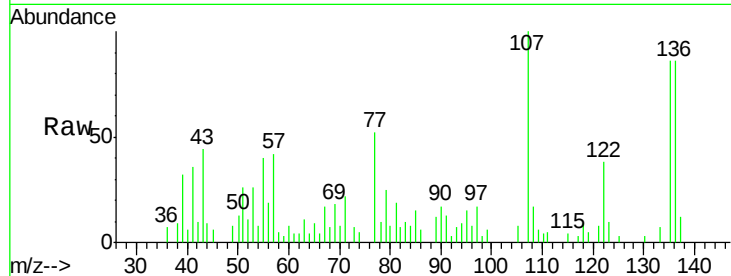




#32
Benzoic acid
Concen: 8.64 ng
RT: 7.92 min Scan# 510
Delta R.T. -0.01 min
Lab File: BF093169.D
Acq: 25 Feb 2017 2:47

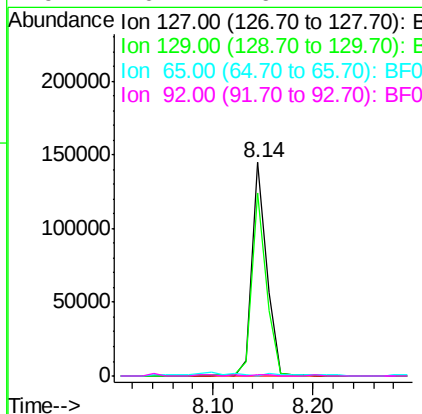
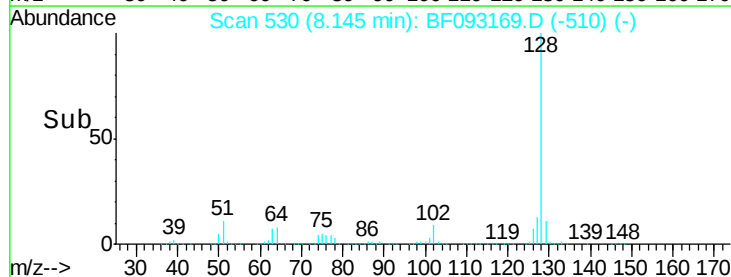
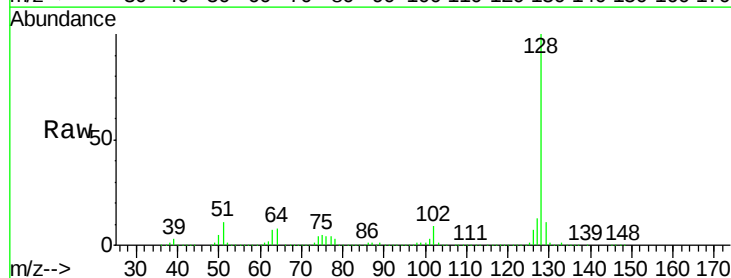
Instrument :
BNA_F
ClientSampleId :
B1-4

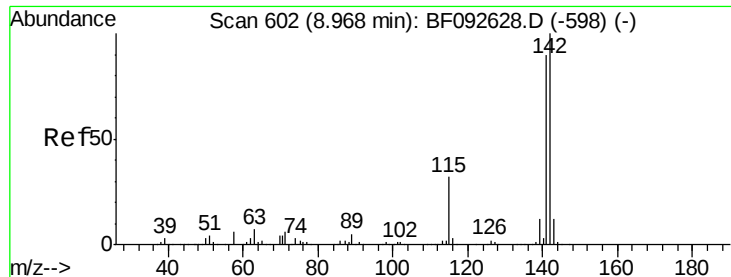
Tgt Ion:122 Resp: 9046
Ion Ratio Lower Upper
122 100
105 20.6 107.2 147.2#
77 135.5 74.5 114.5#



#33
4-Chloroaniline
Concen: 12.56 ng
RT: 8.14 min Scan# 530
Delta R.T. -0.07 min
Lab File: BF093169.D
Acq: 25 Feb 2017 2:47

Tgt Ion:127 Resp: 149055
Ion Ratio Lower Upper
127 100
129 85.4 26.3 39.5#
65 0.0 25.8 38.8#
92 0.7 16.1 24.1#

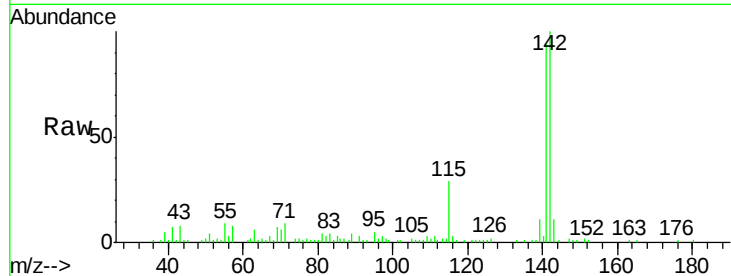




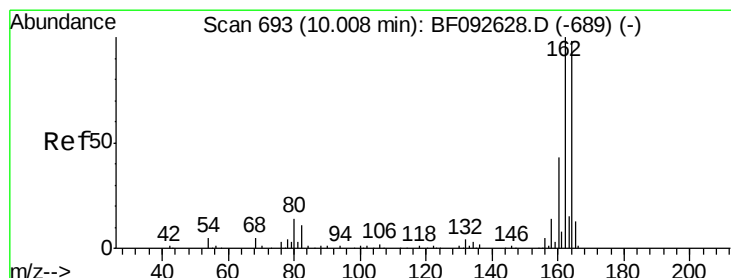
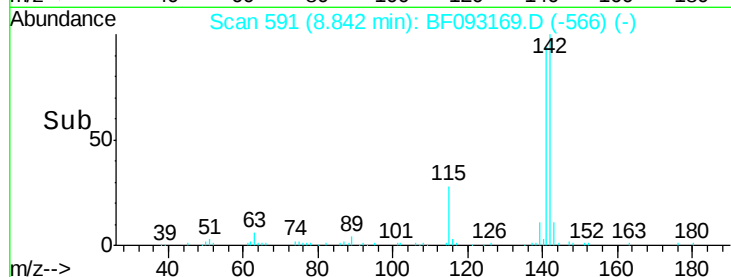
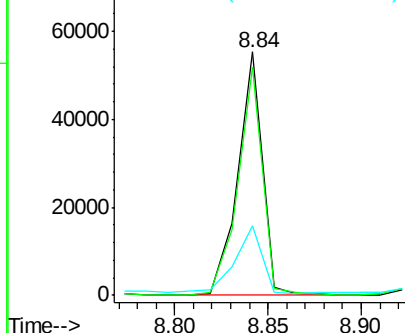
#37
2-Methylnaphthalene
Concen: 2.64 ng
RT: 8.84 min Scan# 591
Delta R.T. -0.01 min
Lab File: BF093169.D
Acq: 25 Feb 2017 2:47

Instrument :
BNA_F
ClientSampleId :
B1-4

Tgt Ion:142 Resp: 51293
Ion Ratio Lower Upper
142 100
141 93.9 71.0 106.6
115 28.6 28.3 42.5

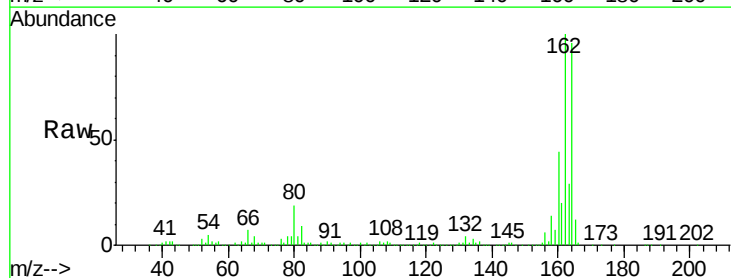


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

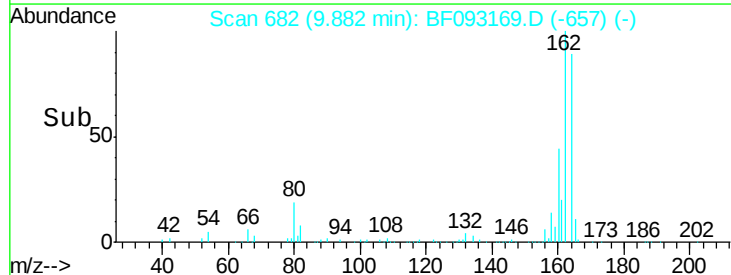
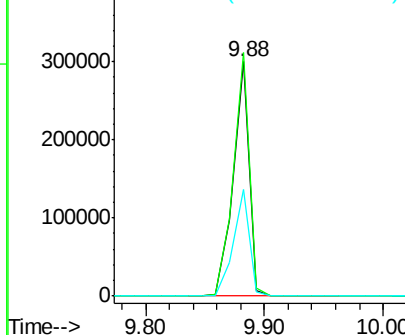


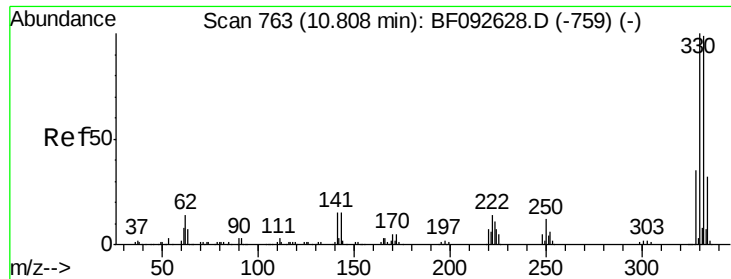
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.01 min
Lab File: BF093169.D
Acq: 25 Feb 2017 2:47

Tgt Ion:164 Resp: 280319
Ion Ratio Lower Upper
164 100
162 103.9 80.2 120.2
160 45.5 36.9 55.3



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

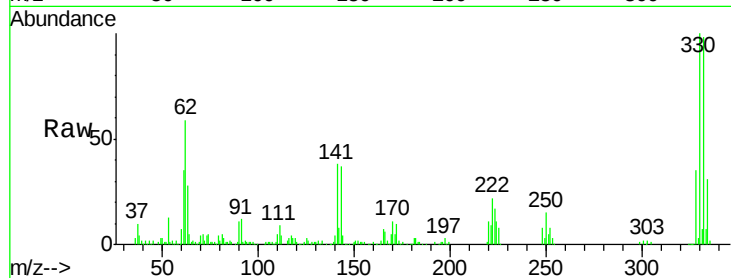




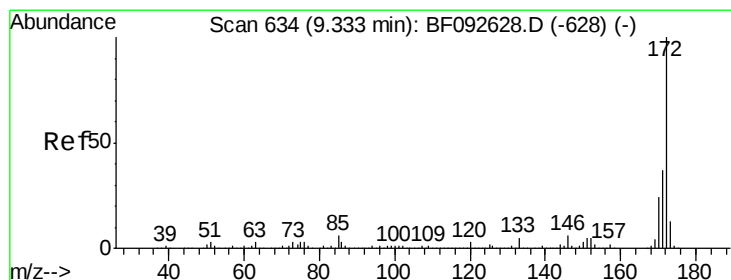
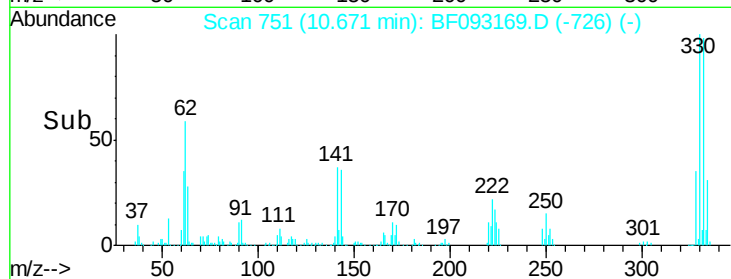
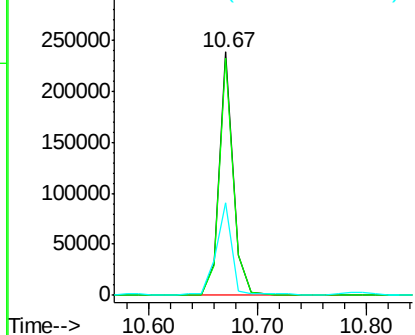
#41
 2,4,6-Tribromophenol
 Concen: 106.45 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: BF093169.D
 Acq: 25 Feb 2017 2:47

Instrument :
 BNA_F
 ClientSampleId :
 B1-4

Tgt Ion:330 Resp: 215825
 Ion Ratio Lower Upper
 330 100
 332 97.4 77.4 116.2
 141 42.1 34.1 51.1

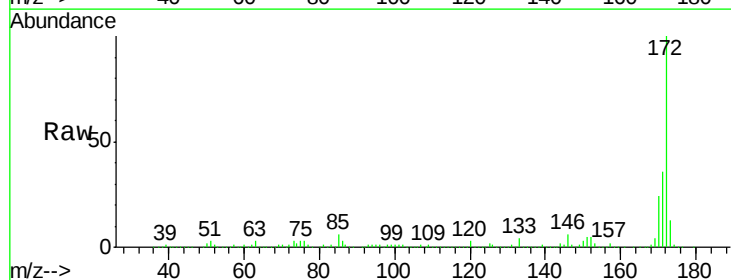


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

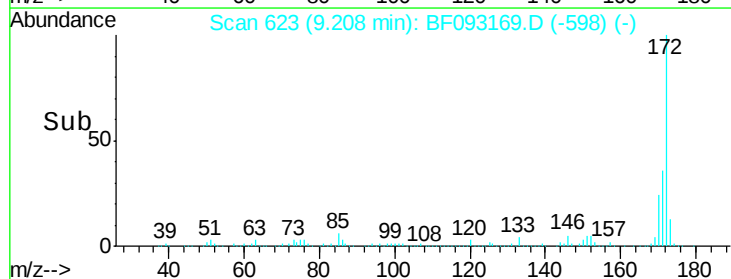
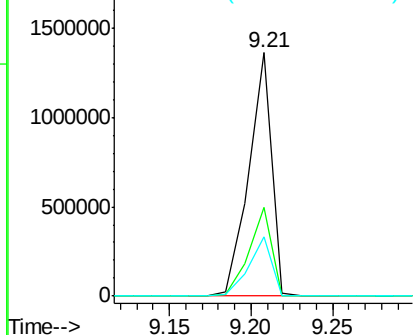


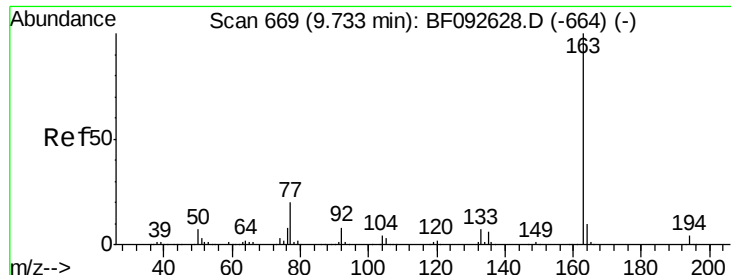
#44
 2-Fluorobiphenyl
 Concen: 85.33 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.01 min
 Lab File: BF093169.D
 Acq: 25 Feb 2017 2:47

Tgt Ion:172 Resp: 1320325
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.4 44.0
 170 24.4 20.2 30.4



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 13.87 ng

RT: 9.60 min Scan# 657

Delta R.T. -0.02 min

Lab File: BF093169.D

Acq: 25 Feb 2017 2:47

Instrument :

BNA_F

ClientSampleId :

B1-4

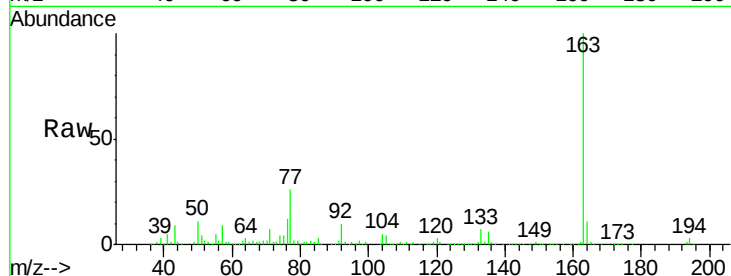
Tgt Ion:163 Resp: 261878

Ion Ratio Lower Upper

163 100

194 3.3 3.0 4.4

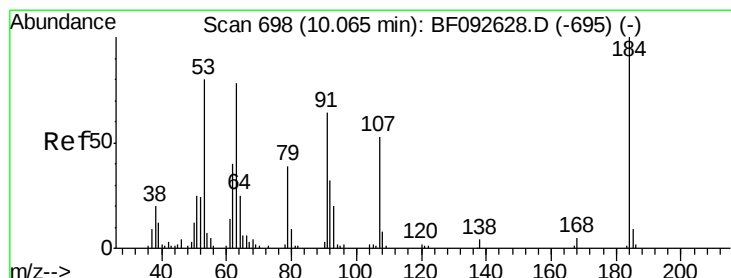
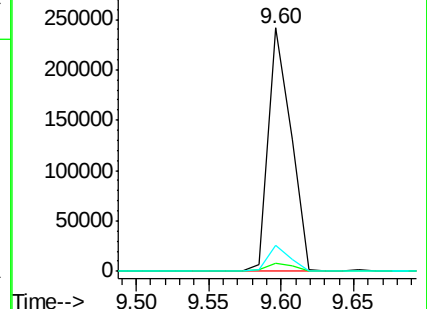
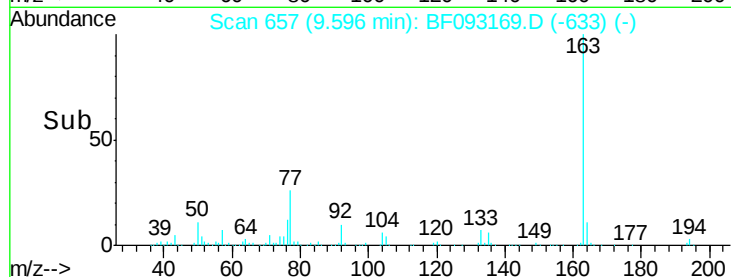
164 10.7 8.0 12.0



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#53

2,4-Dinitrophenol

Concen: 5.10 ng

RT: 10.17 min Scan# 707

Delta R.T. 0.21 min

Lab File: BF093169.D

Acq: 25 Feb 2017 2:47

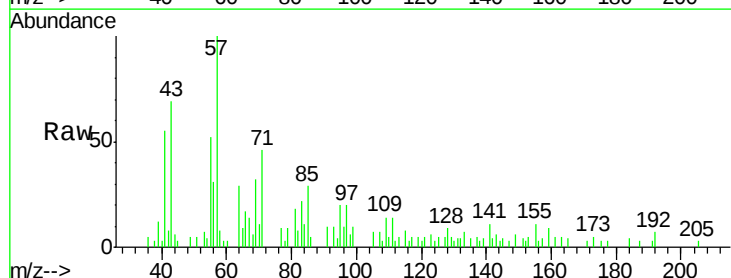
Tgt Ion:184 Resp: 808

Ion Ratio Lower Upper

184 100

63 0.0 28.4 42.6#

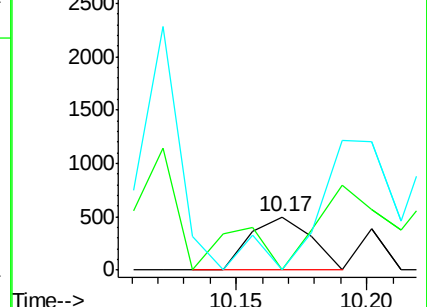
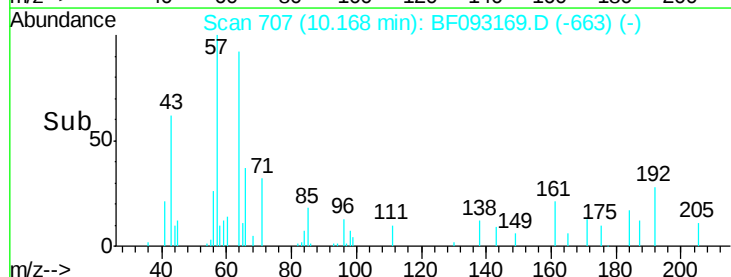
154 0.0 44.3 66.5#

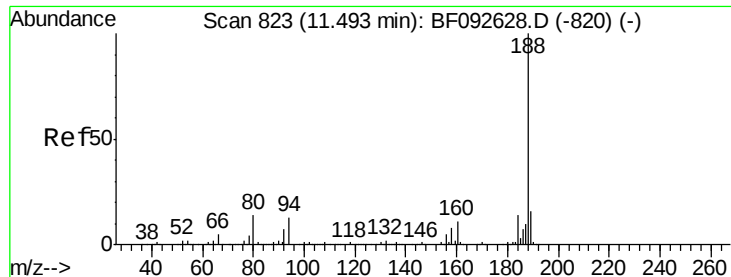


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E

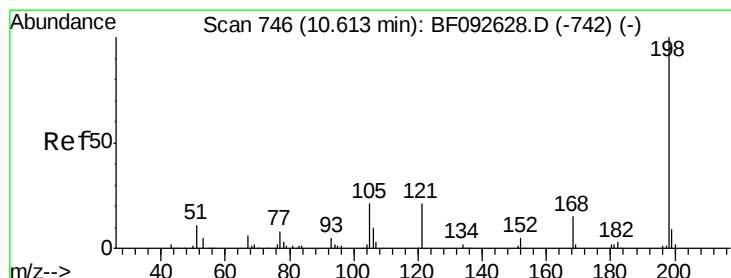
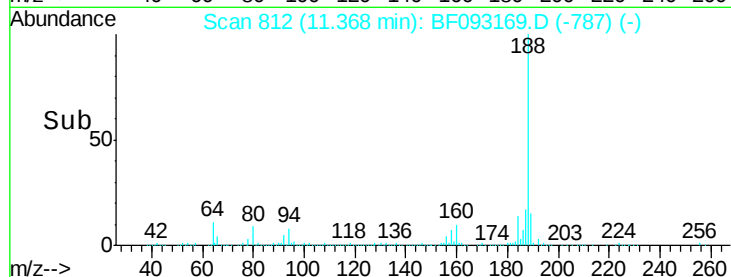
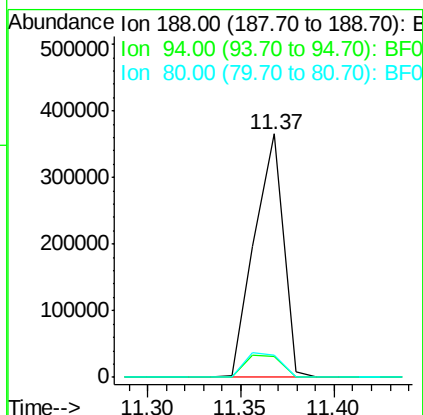
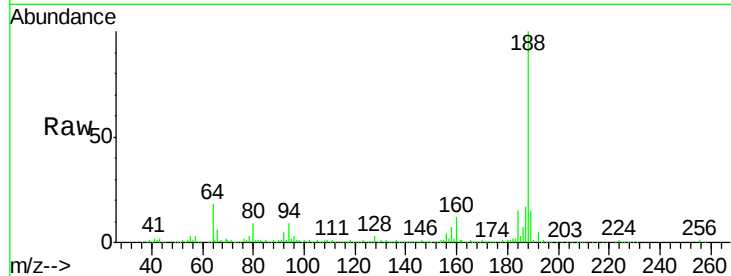




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF093169.D
Acq: 25 Feb 2017 2:47

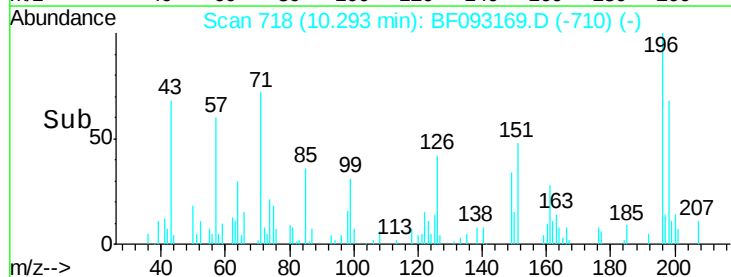
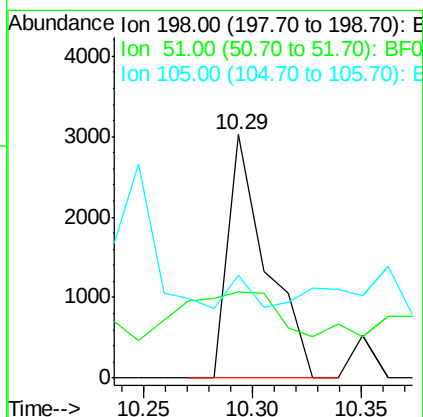
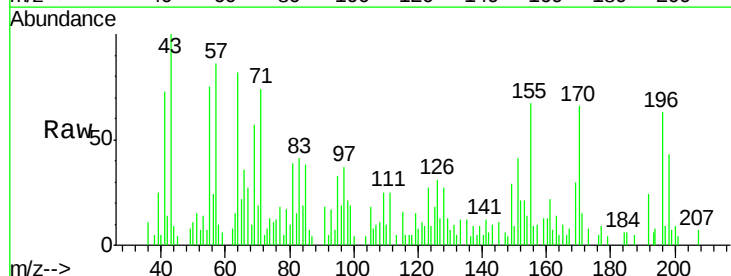
Instrument :
BNA_F
ClientSampleId :
B1-4

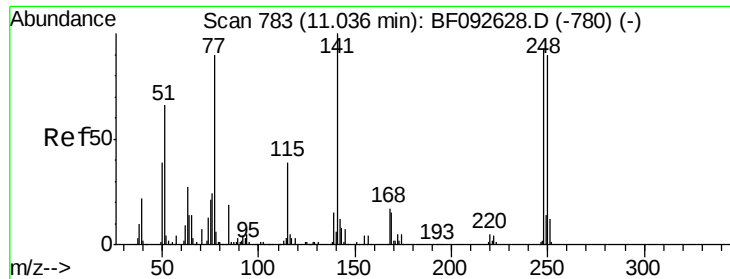
Tgt Ion:188 Resp: 393874
Ion Ratio Lower Upper
188 100
94 8.6 10.0 15.0#
80 8.9 11.2 16.8#



#64
4,6-Dinitro-2-methylphenol
Concen: 4.13 ng
RT: 10.29 min Scan# 718
Delta R.T. -0.21 min
Lab File: BF093169.D
Acq: 25 Feb 2017 2:47

Tgt Ion:198 Resp: 3717
Ion Ratio Lower Upper
198 100
51 35.3 6.7 46.7
105 42.5 16.6 56.6





#66

4-Bromophenyl-phenylether

Concen: 4.00 ng

RT: 10.67 min Scan# 751

Delta R.T. -0.25 min

Lab File: BF093169.D

Acq: 25 Feb 2017 2:47

Instrument :

BNA_F

ClientSampleId :

B1-4

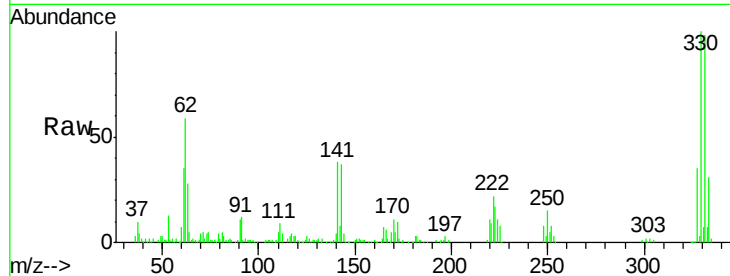
Tgt Ion:248 Resp: 16478

Ion Ratio Lower Upper

248 100

250 194.5 76.9 115.3#

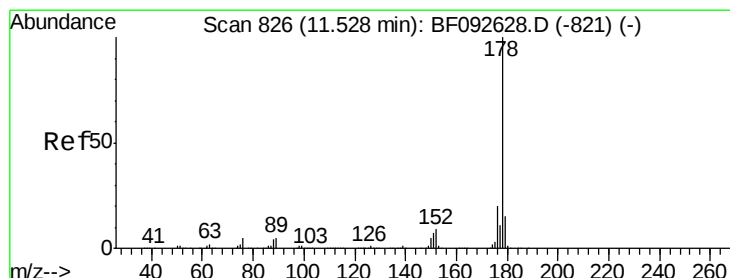
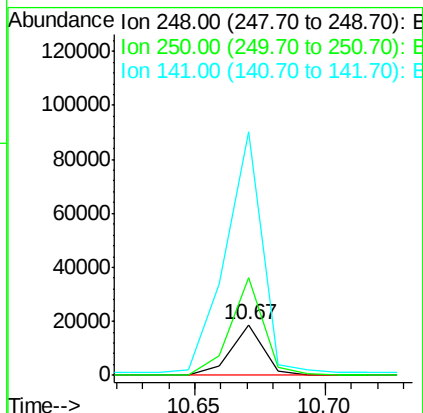
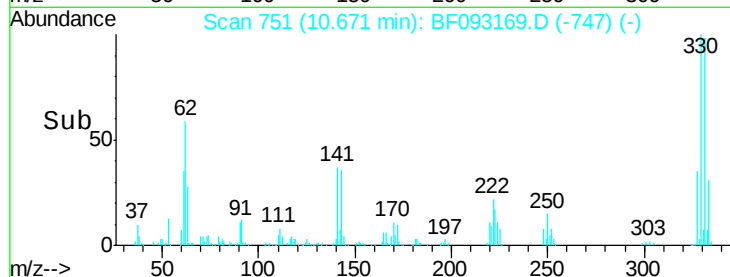
141 482.2 68.2 102.4#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#70

Phenanthrene

Concen: 17.09 ng

RT: 11.39 min Scan# 814

Delta R.T. -0.01 min

Lab File: BF093169.D

Acq: 25 Feb 2017 2:47

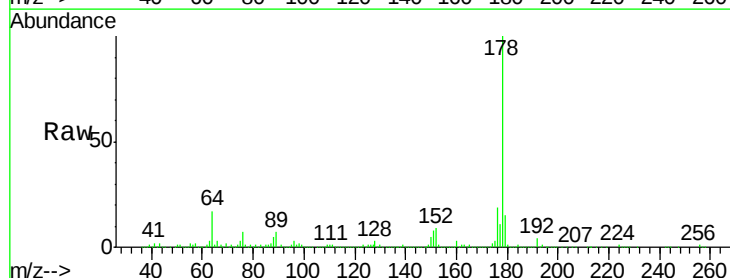
Tgt Ion:178 Resp: 385752

Ion Ratio Lower Upper

178 100

176 19.4 16.6 25.0

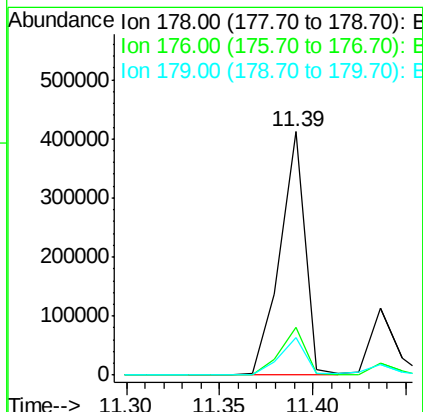
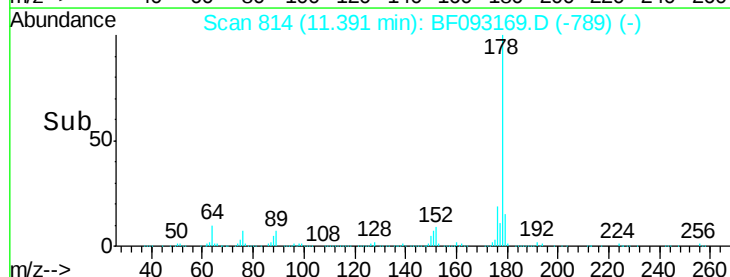
179 15.3 12.8 19.2

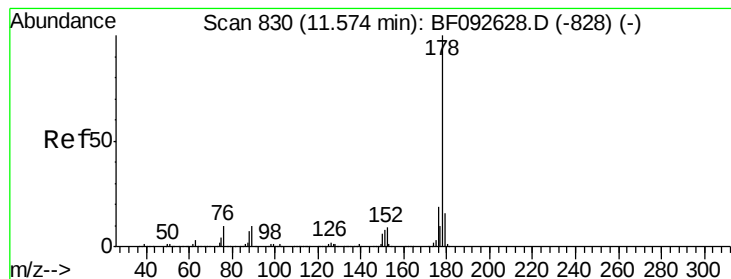


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 4.49 ng

RT: 11.44 min Scan# 818

Delta R.T. -0.02 min

Lab File: BF093169.D

Acq: 25 Feb 2017 2:47

Instrument :

BNA_F

ClientSampleId :

B1-4

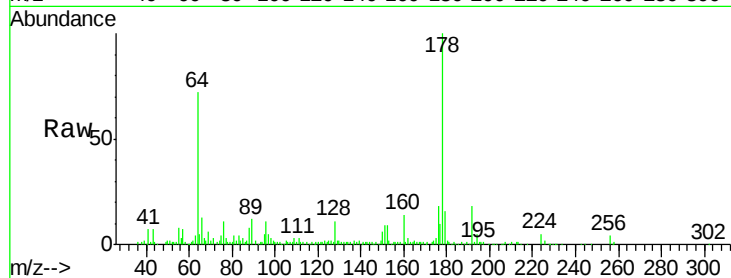
Tgt Ion:178 Resp: 101780

Ion Ratio Lower Upper

178 100

176 18.3 15.9 23.9

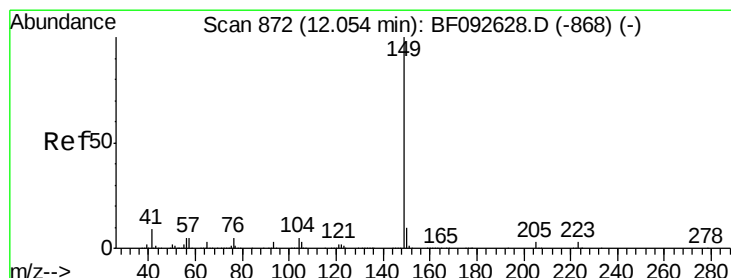
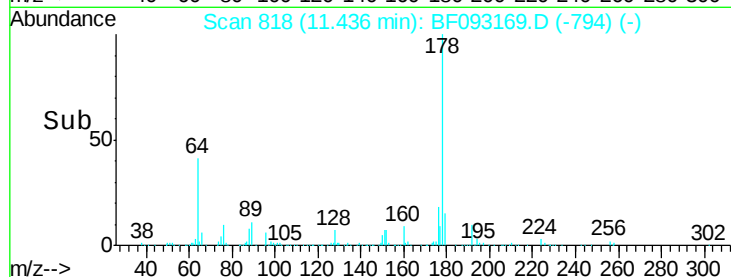
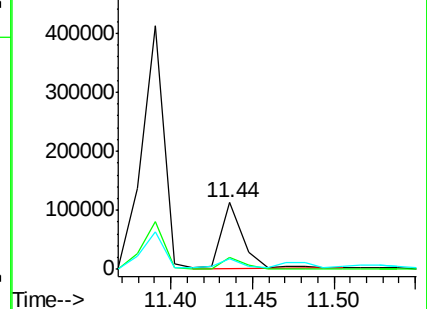
179 16.1 13.2 19.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73

Di-n-butylphthalate

Concen: 4.82 ng

RT: 11.93 min Scan# 861

Delta R.T. -0.01 min

Lab File: BF093169.D

Acq: 25 Feb 2017 2:47

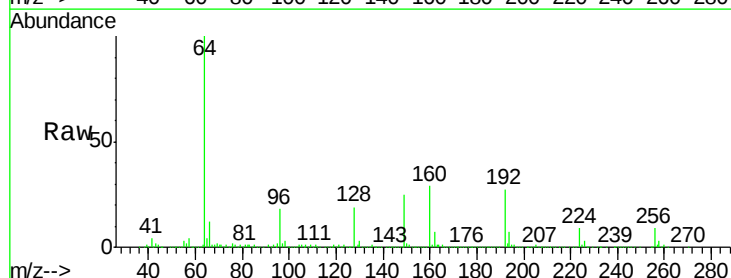
Tgt Ion:149 Resp: 112863

Ion Ratio Lower Upper

149 100

150 9.4 8.1 12.1

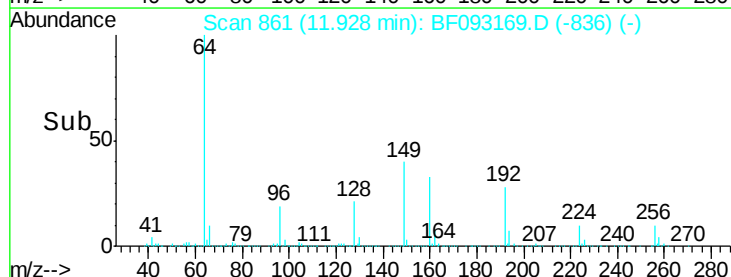
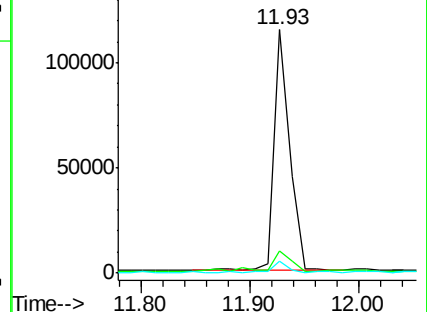
104 5.0 4.6 7.0

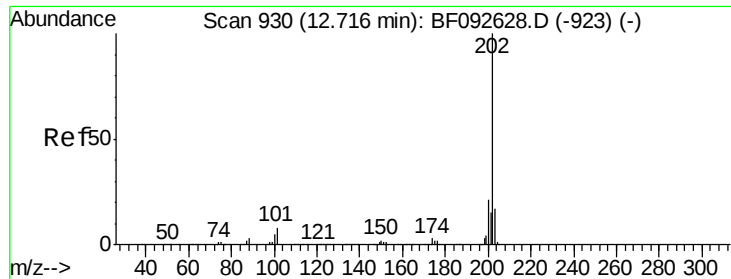


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

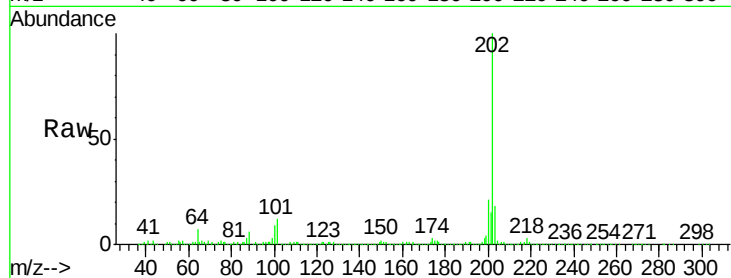




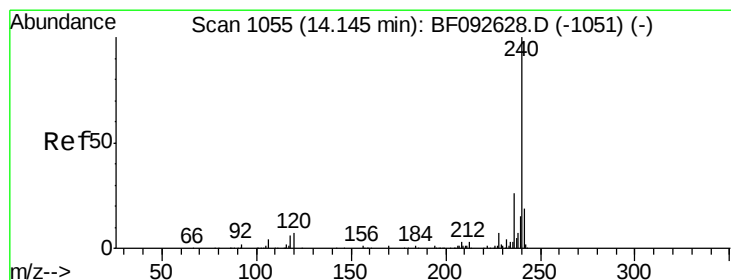
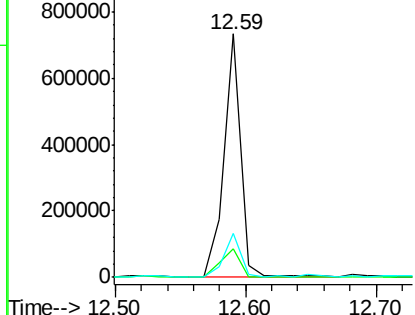
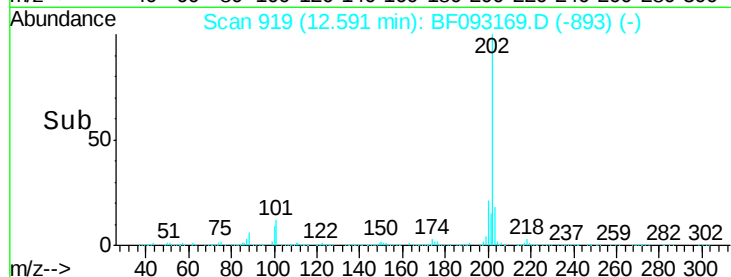
#74
Fluoranthene
Concen: 28.11 ng
RT: 12.59 min Scan# 919
Delta R.T. -0.00 min
Lab File: BF093169.D
Acq: 25 Feb 2017 2:47

Instrument :
BNA_F
ClientSampleId :
B1-4

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	34.6
203	18.0	0.0	38.7

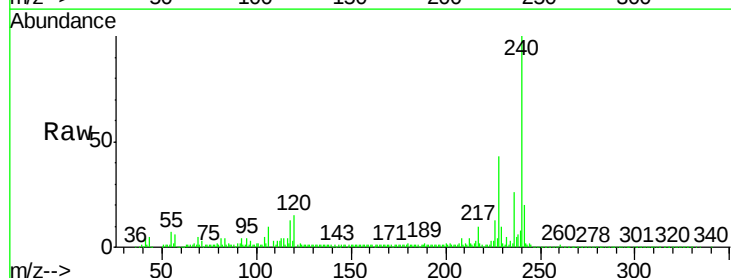


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

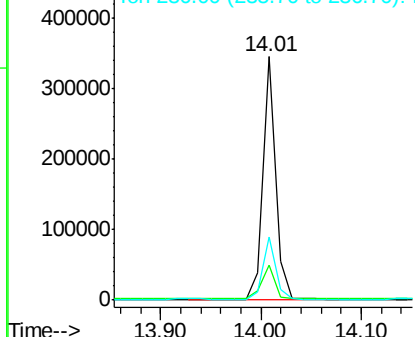
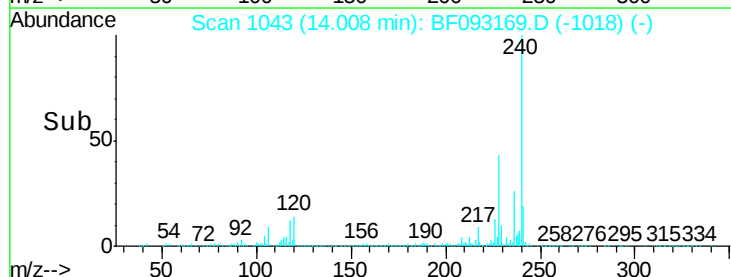


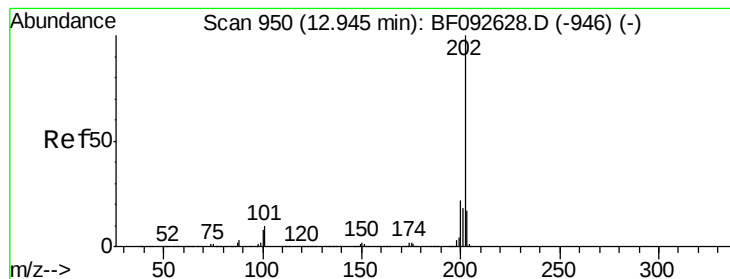
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.01 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF093169.D
Acq: 25 Feb 2017 2:47

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.6	12.9	19.3
236	26.1	20.9	31.3



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 28.80 ng

RT: 12.81 min Scan# 938

Delta R.T. -0.01 min

Lab File: BF093169.D

Acq: 25 Feb 2017 2:47

Instrument :

BNA_F

ClientSampleId :

B1-4

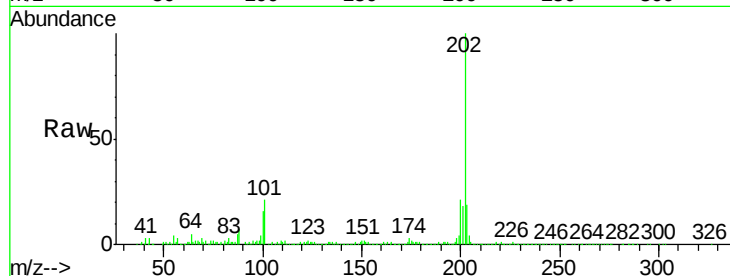
Tgt Ion:202 Resp: 655796

Ion Ratio Lower Upper

202 100

200 21.4 17.7 26.5

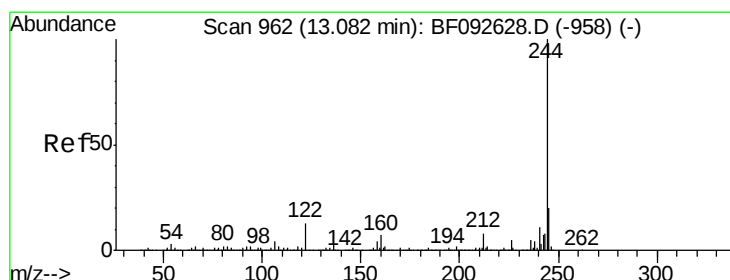
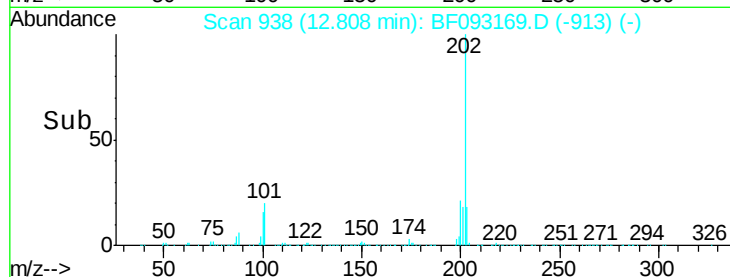
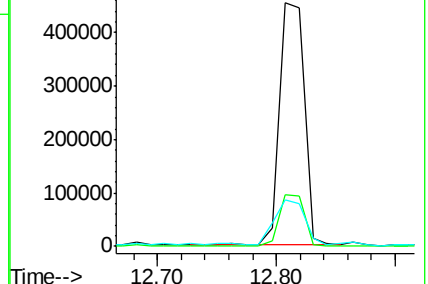
203 19.2 14.7 22.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 55.91 ng

RT: 12.96 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF093169.D

Acq: 25 Feb 2017 2:47

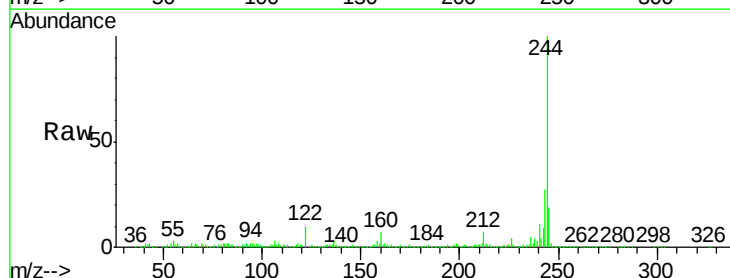
Tgt Ion:244 Resp: 723922

Ion Ratio Lower Upper

244 100

212 7.0 6.2 9.2

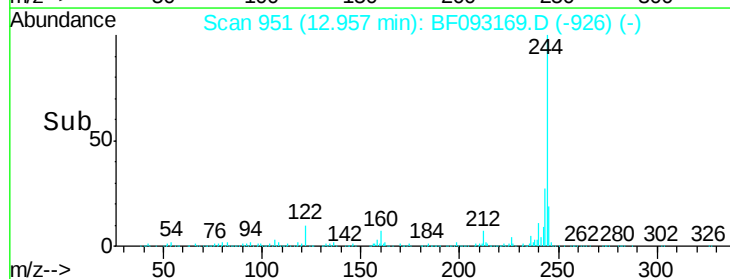
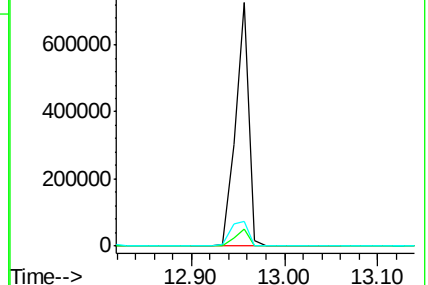
122 10.3 11.4 17.2#

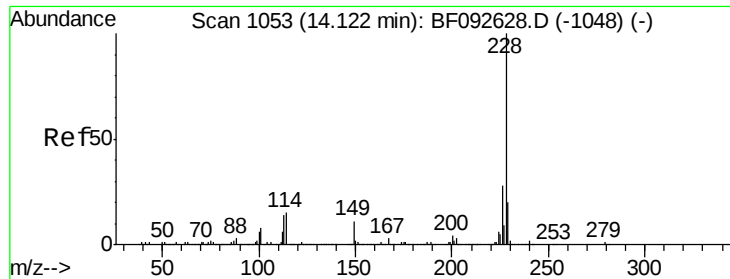


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 27.41 ng

RT: 14.00 min Scan# 1042

Delta R.T. -0.01 min

Lab File: BF093169.D

Acq: 25 Feb 2017 2:47

Instrument :

BNA_F

ClientSampleId :

B1-4

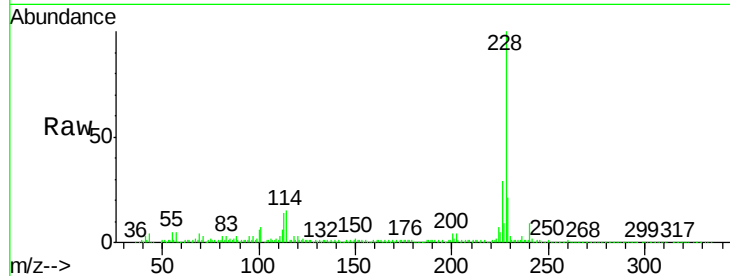
Tgt Ion:228 Resp: 510102

Ion Ratio Lower Upper

228 100

226 28.7 22.4 33.6

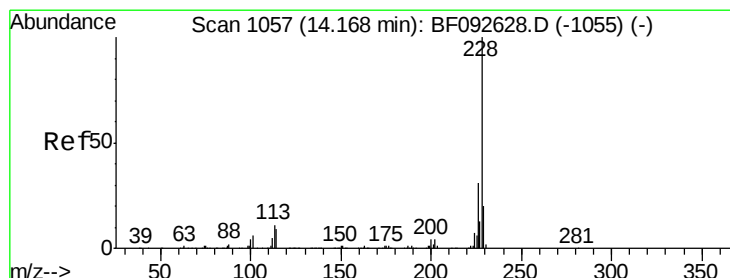
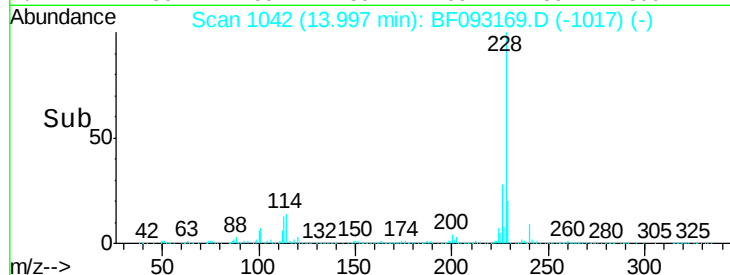
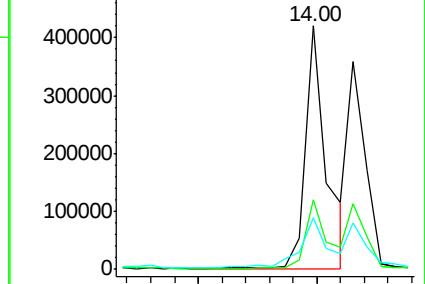
229 21.3 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 21.15 ng

RT: 14.03 min Scan# 1045

Delta R.T. -0.01 min

Lab File: BF093169.D

Acq: 25 Feb 2017 2:47

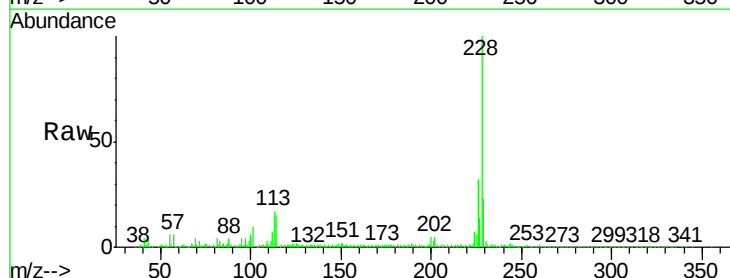
Tgt Ion:228 Resp: 368561

Ion Ratio Lower Upper

228 100

226 31.5 25.4 38.0

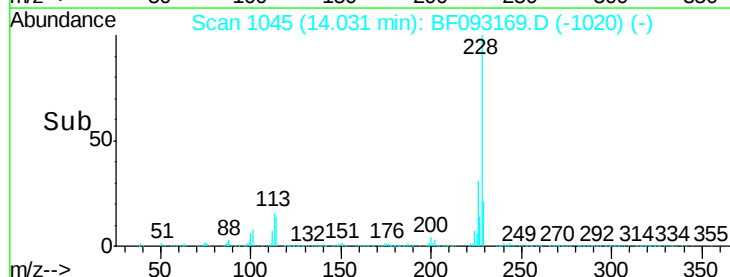
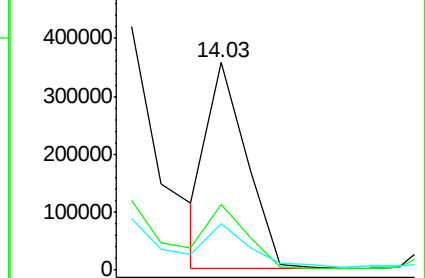
229 22.5 16.2 24.2

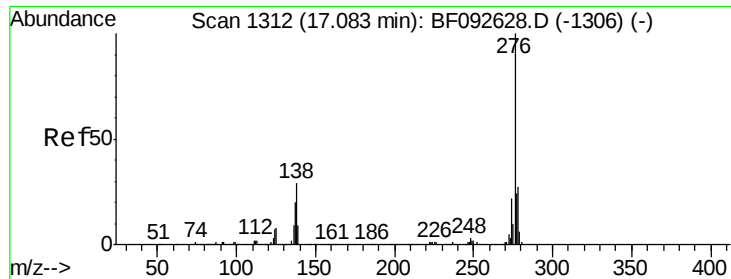


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

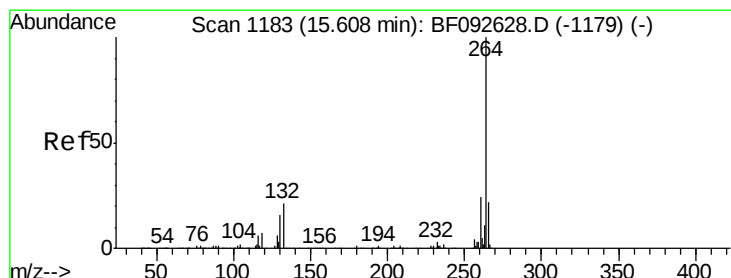
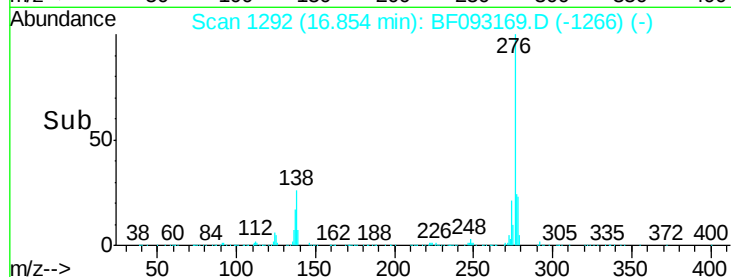
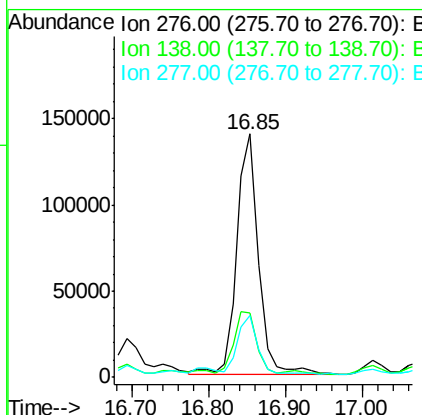
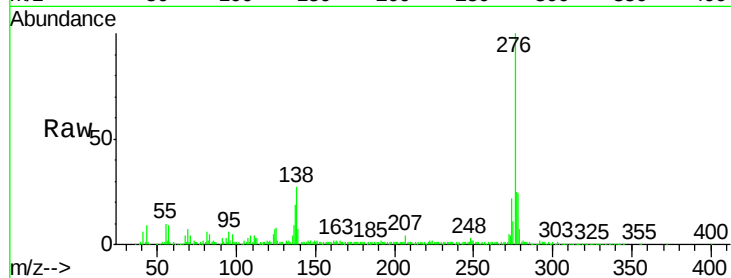




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 20.58 ng
 RT: 16.85 min Scan# 1292
 Delta R.T. -0.00 min
 Lab File: BF093169.D
 Acq: 25 Feb 2017 2:47

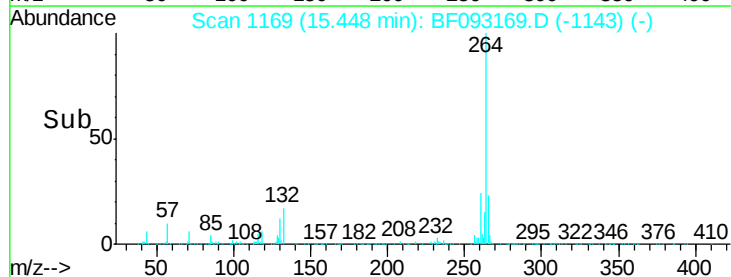
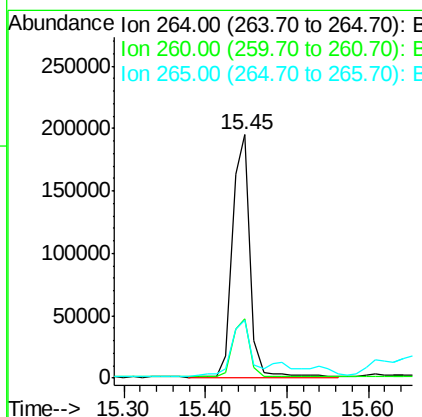
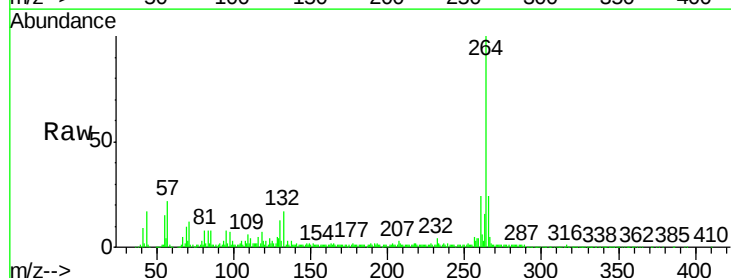
Instrument :
 BNA_F
 ClientSampleId :
 B1-4

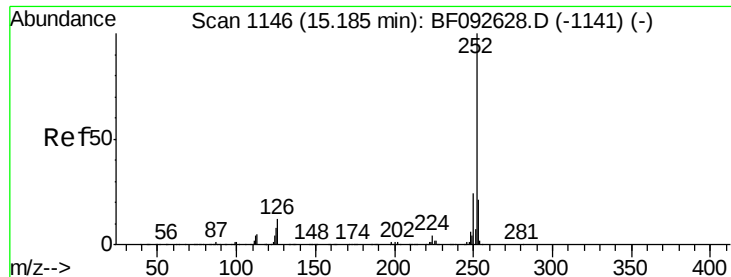
Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.7	21.8	32.6
277	22.5	20.2	30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.45 min Scan# 1169
 Delta R.T. -0.00 min
 Lab File: BF093169.D
 Acq: 25 Feb 2017 2:47

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	23.6	17.4	26.0

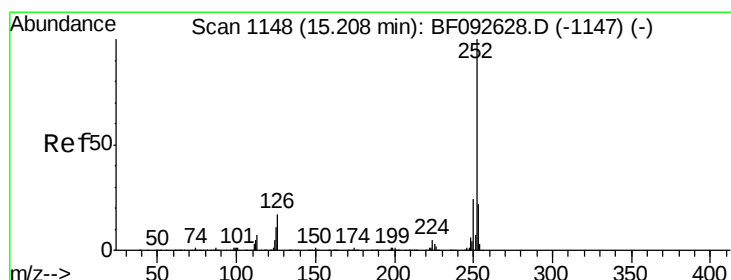
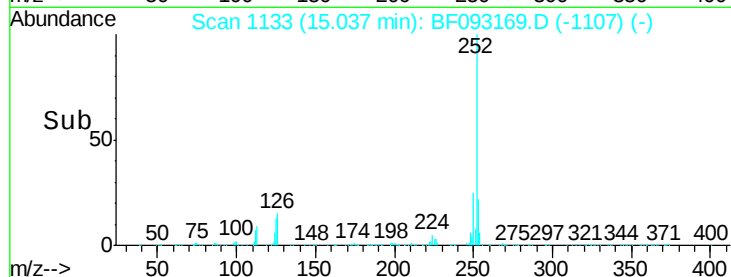
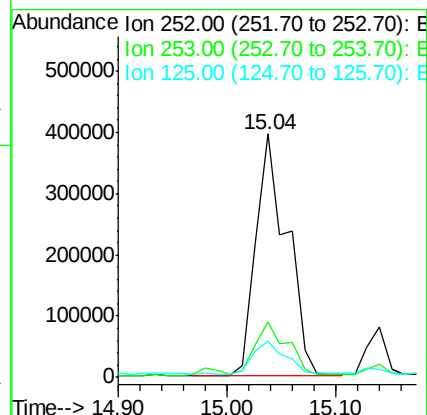
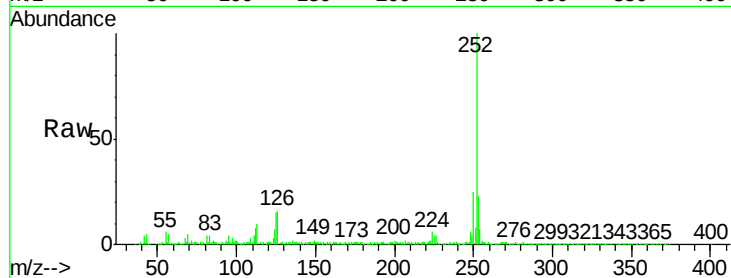




#87
Benzo(b)fluoranthene
Concen: 41.31 ng
RT: 15.04 min Scan# 1133
Delta R.T. -0.00 min
Lab File: BF093169.D
Acq: 25 Feb 2017 2:47

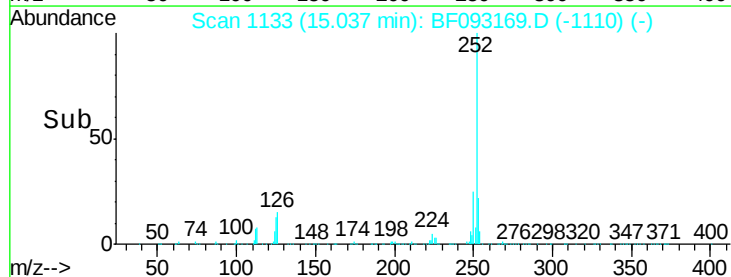
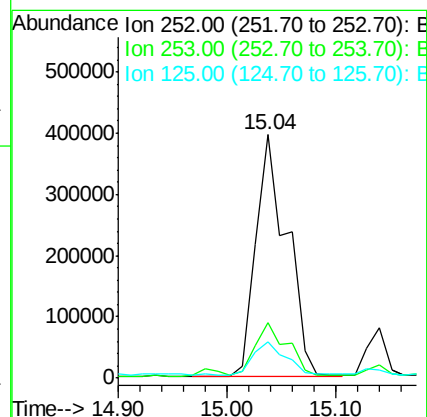
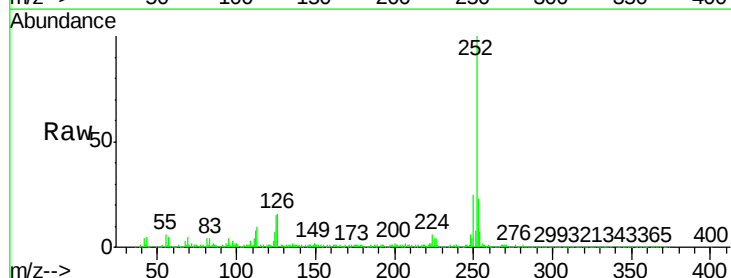
Instrument :
BNA_F
ClientSampled :
B1-4

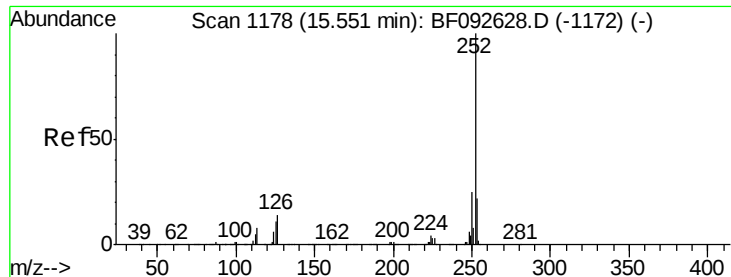
Tgt Ion:252 Resp: 790026
Ion Ratio Lower Upper
252 100
253 23.0 18.2 27.4
125 14.9 9.8 14.6#



#88
Benzo(k)fluoranthene
Concen: 47.84 ng
RT: 15.04 min Scan# 1133
Delta R.T. -0.03 min
Lab File: BF093169.D
Acq: 25 Feb 2017 2:47

Tgt Ion:252 Resp: 790026
Ion Ratio Lower Upper
252 100
253 23.0 18.5 27.7
125 14.9 8.9 13.3#





#89

Benzo(a)pyrene

Concen: 27.90 ng

RT: 15.38 min Scan# 1163

Delta R.T. -0.01 min

Lab File: BF093169.D

Acq: 25 Feb 2017 2:47

Instrument :

BNA_F

ClientSampleId :

B1-4

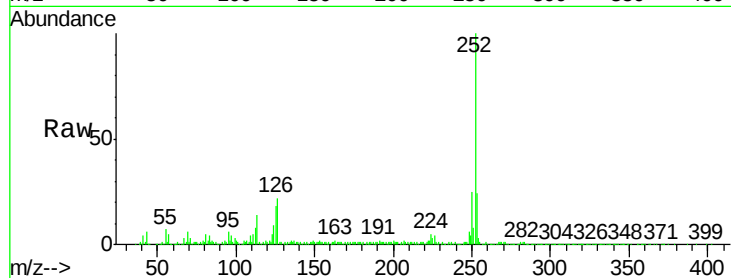
Tgt Ion: 252 Resp: 461556

Ion Ratio Lower Upper

252 100

253 24.1 18.2 27.2

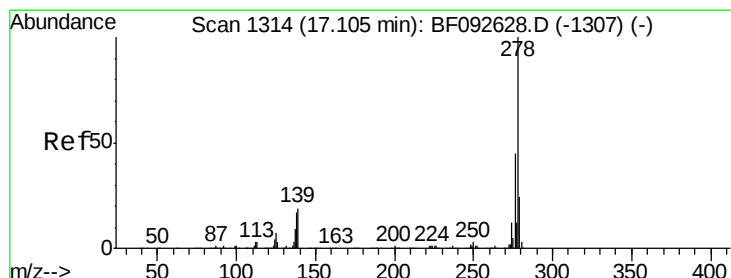
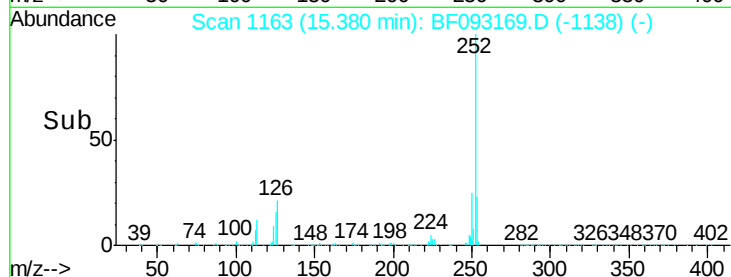
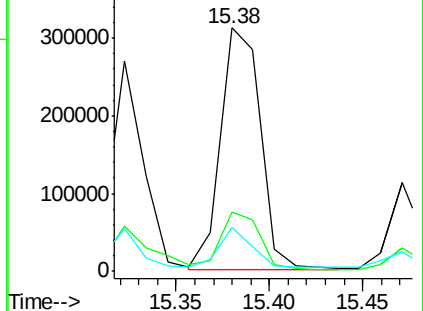
125 18.2 10.0 15.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 5.47 ng

RT: 16.85 min Scan# 1292

Delta R.T. -0.01 min

Lab File: BF093169.D

Acq: 25 Feb 2017 2:47

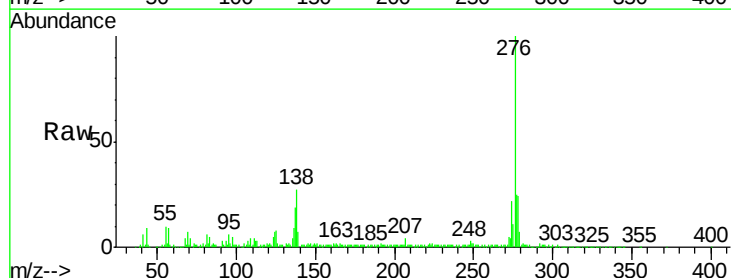
Tgt Ion: 278 Resp: 73171

Ion Ratio Lower Upper

278 100

139 29.3 14.8 22.2#

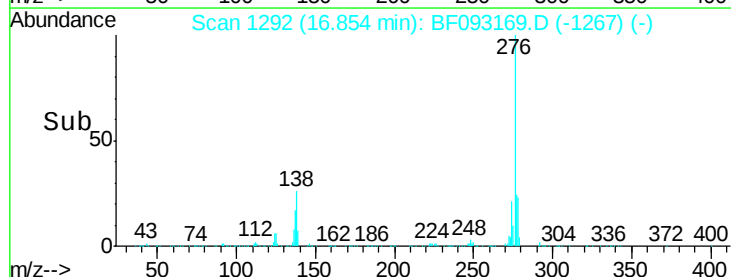
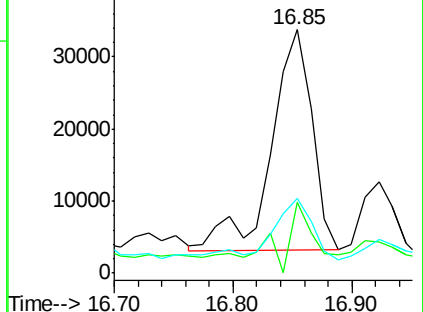
279 30.8 19.8 29.6#

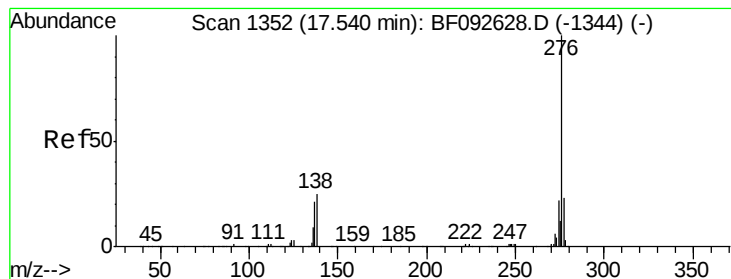


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 19.65 ng

RT: 17.28 min Scan# 1329

Delta R.T. -0.01 min

Lab File: BF093169.D

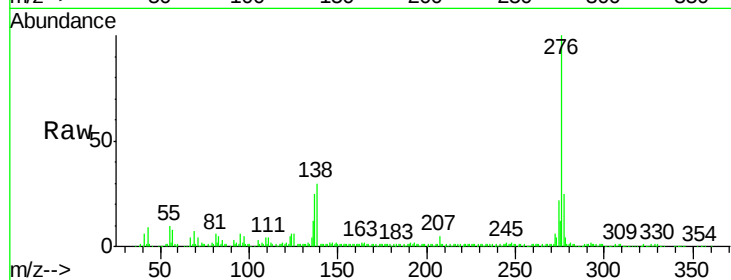
Acq: 25 Feb 2017 2:47

Instrument :

BNA_F

ClientSampleId :

B1-4



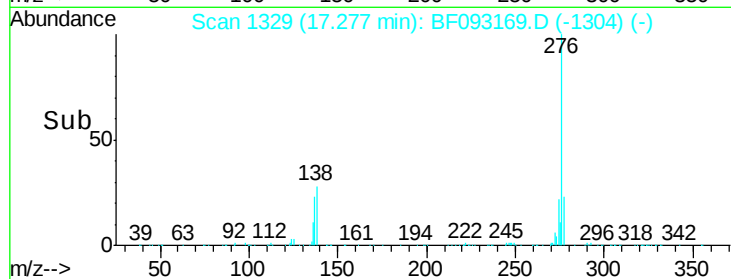
Tgt Ion: 276 Resp: 265477

Ion Ratio Lower Upper

276 100

277 24.7 19.2 28.8

138 29.7 16.0 24.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

